660-YVAD-FMK SDS; Doc# F17-6322-3-D; Effective: 09/26/2017; Supersedes: F17-6323-3-C; Page 1 of 6



SAFETY DATA SHEET (SDS) according to Regulation (EC) No. 830/2015 amending 1907/2006

1.1b A 1.1c F 1.1d In 1.1d In 1.2a Relevant io mixture an Intended to 1.2a Brief descrinintended to 1.3a N 1.3a N 1.3a N 1.3a N 1.3a N 1.3a N 1.3b A 1.3c C 1.3d F 1.3d C 2.1b Classification (CLP): 2.1c The most in health, and 2.2 <td< th=""><th></th><th></th><th>660-YVAD-FM</th><th></th></td<>			660-YVAD-FM	
1.1c F 1.1d In 1.2a Brief descrinintended to 1.3a N 1.3a N 1.3a N 1.3b A 1.3c C 1.3d F 1.3a N 1.3b A 1.3c C 1.3d F 1.3f V 1.3g E 1.3h C 1.3h C 1.3h C 1.3h C 1.3h C 1.4 Emergency Section 2: Hazards C 2.1b Classification (CLP): 2.1c The most in health, and 2.2a GHS label or statements 2.2b C 2.2a GHS label or statements 2.2b C 2.2c Labeling in 2.2d Hazard Pic 2.2e Signal word 2.2g Precautiona 2.3a Does the cl <t< th=""><th colspan="3">Other means of identification:</th><th></th></t<>	Other means of identification:			
1.1d Ir 1.2a Brief descriintended to 1.2a Brief descriintended to 1.3a N 1.3a N 1.3b A 1.3c C 1.3d F 1.3d F 1.3d F 1.3d F 1.3d F 1.3d C 1.3d F 1.3d C 2.1a Product is a 2.1b Classificato (CLP): C	Alternative product name(s)/ synonyms:			FMK; FLICA-660-YVAD; 660-FLICA-YVAD; 660- se-1 FLICA; Far Red Casapase-1 FLICA; a 655 nm ed derivative of tyrosylvalylalanylaspartic acid e.
1.2 Relevant ic mixture an intended to mixture an intended to intended to 1.3 1.2a Brief description and the section and the s	Product number/0		6323	
mixture an 1.2a Brief descrinintended to 1.3a Details of t 1.3a N 1.3b A 1.3c C 1.3d F 1.3f V 1.3g E 1.3h C 1.3h C 1.3h C 1.3h C 1.3h C 1.4 Emergency Section 2: Hazards C 2.1b Classificate 2.1a Product is a 2.1b Classificate 2.1a Product is a 2.1b Classificate 2.1c The most ir health, and C 2.2a GHS label or statements C 2.2b C 2.2c Labeling in 2.2d	Internal identifica		660-YVAD-FMK	
intended to 1.3 Details of t 1.3a N 1.3b A 1.3c C 1.3d F 1.3d F 1.3d F 1.3d F 1.3d F 1.3d F 1.3f V 1.3g E 1.3h C 1.4 Emergency Section 2: Hazards C 2.1 Classification (CLP): 2.1c The most in health, and 2.2a GHS label or G 2.2b C 2.2b C 2.2c Label elem 2.2a GHS label or G 3.2d Hazard Pic 2.2a GHS label or G 2.2b C 2.2d Hazard Pic 2.2a Supplemen 2.3a Does the cl 2.3b Other haza 3.1a Chem 3.1b Comrr <td>Ind uses advised</td> <td>of the substance or l against: e substance or mixture is</td> <td></td> <td>nly. Not for use in diagnostic procedures.</td>	Ind uses advised	of the substance or l against: e substance or mixture is		nly. Not for use in diagnostic procedures.
1.3 Details of t 1.3a N 1.3b A 1.3c C 1.3d F 1.3d C 1.3g E 1.3h C 1.4 Emergency Section 2: Hazards C 2.1 Classificate 2.1 Classificate 2.1 Classificate 2.1a Product is a 2.1b Classificate 2.1b Classificate (CLP): 2.1c The most ir health, and 2.2 GHS label or statements C 2.2a GHS label or 2.2b C 2.2c Labeling in 2.2d Hazard state 2.2g Precautiona		e substance of mixture is		inibitor and pyropiosis detection reagent.
1.3a N 1.3b A 1.3c C 1.3d F 1.3e F 1.3f V 1.3g E 1.3h C 1.3h C 1.4 Emergency Section 2: Hazards 2.1 Classificat 2.1a Product is a 2.1b Classificati 2.1b Classificati 2.1b Classificati 2.1c The most ir health, and C 2.2a GHS label or statements C 2.2b C 2.2c Label elem 2.2d Hazard Pic 2.2e Signal word 2.2e Signal word 2.2f Hazard stat 2.2g Precautiona 2.3a Does the ct 2.3b Other haza 3.1a Chem 3.1b Comm 3.1b Comm 3.1b Comm 3.1g Chemical ic or individua constituent, <		the SDS.		
1.3b A 1.3c C 1.3d F 1.3e F 1.3f V 1.3g E 1.3h C 1.3h C 1.4 Emergency Section 2: Hazards 2.1 Classification 2.1a Product is a 2.1b Classification 2.1b Classification 2.1b Classification 2.1c The most in health, and 2.2 Label elements 2.2a GHS label of statements 2.2b C 2.2c Label elements 2.2b C 2.2c Labeling in 2.2d Hazard Pic 2.2e Signal word 2.2f Hazard station 2.3a Does the choin 2.3b Other haza Section 3: Compo 3.1a 3.1b Comm 3.1b Comm 3.1b Comm 3.1b Comm 3.1g Chemical ic or individua constituent,		line 3D3.	ImmunaChamiatru	
1.3c C 1.3d F 1.3e F 1.3f V 1.3g E 1.3h C 1.3h C 1.3h C 1.4 Emergency Section 2: Hazards 2.1 Classification 2.1a Product is a 2.1b Classification (CLP): 2.1c 2.1c The most ir health, and C 2.2a GHS label of 2.2b C 2.2c Label elem 2.2a GHS label of statements C 2.2b C 2.2b C 2.2c Labeling in 2.2d Hazard Pic 2.2e Signal word 2.2f Hazard stat 2.2g Precautiona 2.3b Other haza Section 3: Compo 3.1a 3.1a Chemical ic or individua other uniq N 3.1g Chemical ic or individua constituent,	Name:			Technologies, LLC (ICT)
1.3d F 1.3e F 1.3f V 1.3g E 1.3h C 1.3h C 1.3h C 1.4 Emergency 2.1 Classification (CLP): 2.1c The most ir in health, and 2.2 Label elem 2.2a GHS label of statements 2.2b C 2.2c Label elem 2.2d Hazard Pic 2.2d Hazard Pic 2.2d Signal word 2.2f Hazard state 2.2g Precautiona 2.3a Does the cl 2.3b Other haza Section 3: Compo 3.1a Chem 3.1b Comm 3.1b Comm 3.1b Comm 3.1b Comm 3.1a Chem 3.1b Comm 3.1g Chemical ic or individua constituent,	Address:		9401 James Avenu	
1.3e F 1.3f V 1.3g E 1.3h C 1.4 Emergency 2.1 Classification (CLP): 2.1c The most ir health, and 2.2a GHS label elem 2.2b C 2.2c Label elem 2.2d Hazard Pic 2.2d Hazard Pic 2.2d Hazard stat 2.2g Precautiona 2.2h Supplemen 2.3a Does the ct 2.3b Other haza Section 3: Compo 3.1a 3.1a Chem 3.1b Comr 3.1b Comr 3.1a CAS other uniq N	City, State, Zip, C	Country	Bloomington, MN 5	
1.3f V 1.3g E 1.3h C 1.4 Emergency 2.1 Classificat 2.1a Product is a 2.1b Classificaticat (CLP): 2.1c 2.1c The most ir health, and C 2.2a GHS label elem 2.2b C 2.2c Label elem 2.2d Hazard Pic 2.2e Signal word 2.2f Hazard stat 2.2g Precautiona 2.3b Other haza 2.3a Does the ct 2.3b Other haza 3.1a Chemical ic 3.1a Chem 3.1a Chem 3.1b Comrr 3.1a CAS other uniq N	Phone number:		1-800-829-3194 an	d 952-888-8788
1.3g Emergency 1.3h C 1.4 Emergency 2.1 Classification (CLP): 2.1.0 Classification (CLP): 2.1.1 Product is a constituent strengency 2.1.2 The most ir health, and 2.2 Label elerr 2.2.2 GHS label of strengency 2.2.2 Signal word 2.2.4 Supplement 2.3 Other haza 2.3 Other haza 3.1 Substance 3.1a Chern 3.1a Chern 3.1b Comm 3.1a CAS other unique N 3.11 Chemical ico 3.12 Chemical ico or individual constituent	Fax number:		952-888-8988	
1.3h C 1.4 Emergency 2.1 Classification 2.1a Product is a 2.1b Classification {CLP}: 2.1c 2.1c The most ir health, and 2.2 Label elem 2.2a GHS label of statements 2.2b C 2.2c Label elem 2.2d Hazard Pic 2.2e Signal word 2.2f Hazard stat 2.2g Precautiona 2.3a Does the ct 2.3b Other haza Section 3: Compo 3.1 Substance 3.1a Chem 3.1b Comm 3.1b Comm 3.1c CAS other uniq N 3.1g Chemical ic or individua constituent	Website:		www.immunochem	
Section 2: Hazards 2.1 Classification (CLP): 2.10 Classification (CLP): 2.11 Product is a 2.1b 2.12 Classification (CLP): 2.14 Product is a 2.1b 2.15 Classification (CLP): 2.16 The most ir health, and 2.2 Label elem 2.2 GHS label of a statements 2.2 Signal word 2.3 Other haza 2.3 Other haza 3.1 Substance 3.1 Substance 3.1 Chemical ic or individua constituent, 3.19 Chemical ic or individua constituent,	Email:		help@immunochen	
Section 2: Hazards 2.1 Classification (CLP): 2.1b Classification (CLP): 2.1c The most ir health, and 2.2 Label elerr 2.2a GHS label of statements 2.2b C 2.2c Label elerr 2.2d Hazard Pic 2.2e Signal word 2.2f Hazard stat 2.2g Precautiona 2.3a Does the ct 2.3b Other haza Section 3: Comport 3.1a Chem 3.1b Comm 3.1b Comm 3.1c CAS other uniq N 3.1g Chemical ic or individual constituent, Statement in the individual constituent,	Contact person a		Quality Documenta	
2.1 Classificat Product is a {CLP}: 2.1b Classificatio {CLP}: 2.1c The most ir health, and 2.2 Label elem 2.2a GHS label of statements 2.2b C 2.2c Labeling in 2.2d Hazard Pic 2.2e Signal word 2.2f Hazard stat 2.2g Precautiona 2.3a Does the ct 2.3b Other haza Section 3: Compore 3.1a Chem 3.1b Comm 3.1b Comm 3.1c CAS other uniq N Sate	cy telephone nui	mber:	ICT hours are 9 am (excluding holidays	94 (USA & Canada) or 952-888-8788 world wide; h-5 pm central time USA, Monday through Friday). Chemtrec 24-hour access within USA and h-9300 or +1 703-527-3887. Collect calls accepted.
2.1a Product is a 2.1b Classification {CLP}: 2.1c The most ir health, and 2.2 Label elem 2.2a GHS label of statements 2.2b C 2.2c Labeling in 2.2d Hazard Pic 2.2e Signal word 2.2f Hazard stat 2.2g Precautiona 2.3a Does the cl 2.3b Other haza Section 3: Comport 3.1a Chem 3.1b Comm 3.1c CAS other uniq N 3.1g Chemical ic or individua constituent,	ds identification			
2.1a Product is a 2.1b Classification {CLP}: 2.1c The most ir health, and 2.2 Label elem 2.2a GHS label of statements 2.2b C 2.2c Labeling in 2.2d Hazard Pic 2.2d Hazard stat 2.2g Precautiona 2.2h Supplemen 2.3a Does the ct 2.3b Other haza Section 3: Composition 1.1 Common 3.1a Chem 3.1b Comm 3.1b Comm 3.1c CAS other uniq N 3.1g Chemical ic or individual constituent,	ation of the subs	tance or mixture:		
2.1b Classification {CLP}: 2.1c The most ir health, and 2.2 Label elem 2.2a GHS label of statements 2.2b C 2.2c Labeling in 2.2d Hazard Pic 2.2e Signal word 2.2f Hazard stat 2.2g Precautiona 2.2h Supplemen 2.3a Does the cl 2.3b Other haza Section 3: Compo 3.1 Substance 3.1a Chem 3.1b Comm 3.1c CAS other uniq N 3.1g Chemical ic or individua constituent,			Substance.	
health, and 2.2 Label elem 2.2a GHS label of statements 2.2b C 2.2c Labeling in 2.2d Hazard Pic 2.2e Signal word 2.2f Hazard stat 2.2g Precautiona 2.2h Supplement 2.3 Other haza 2.3a Does the cl 2.3b Other haza Section 3: Comport 3.1a Chem 3.1b Comm 3.1b Comm 3.1b Comm 3.1c CAS other uniq N 3.1g Chemical ic or individual constituent	Classification according to (EC) No. 1272/2008			criteria for classification.
2.2a GHS label of statements 2.2b C 2.2c Labeling in 2.2d Hazard Pici 2.2e Signal word 2.2f Hazard stat 2.2g Precautiona 2.2h Supplement 2.3a Does the cl 2.3b Other haza Section 3: Compo 3.1 Substance 3.1a Chem 3.1b Comm 3.1b Comm 3.1g Chemical ic or individua constituent,	The most important adverse physiochemical, human health, and environmental effects:			-12.
statements 2.2b C 2.2c Labeling in 2.2d Hazard Pic 2.2e Signal word 2.2f Hazard stat 2.2g Precautiona 2.2h Supplemen 2.3 Other haza 2.3a Does the cl 2.3b Other haza Section 3: Compos 3.1 Substance 3.1a Chem 3.1b Comm 3.1b Comm 3.1b Comm 3.1c CAS other uniq N 3.1g Chemical ic or individua constituent,			None.	
2.2c Labeling in 2.2d Hazard Pic 2.2e Signal word 2.2f Hazard stat 2.2g Precautiona 2.2h Supplemen 2.3 Other haza 2.3a Does the cl 2.3b Other haza Section 3: Compo 3.1 Substance 3.1a Chem 3.1b Comm 3.1c CAS other uniq N 3.1g Chemical ic or individua constituent,		ing precautionary	None.	
2.2d Hazard Pic 2.2e Signal word 2.2f Hazard stat 2.2g Precautiona 2.2h Supplemen 2.3 Other haza 2.3a Does the cl 2.3b Other haza Section 3: Compo 3.1 Substance 3.1a Chemi 3.1b Comr 3.1b Comr 3.1b Comr 3.1c CAS other uniq N 3.1g Chemical ic or individua constituent,	Contains:		None.	
2.2e Signal word 2.2f Hazard staf 2.2g Precautiona 2.2h Supplemen 2.3 Other haza 2.3a Does the cl 2.3b Other haza Section 3: Compo 3.1 Substance 3.1a Chemi 3.1b Comming 0.1c CAS other unique N 3.1g Chemical ic or individua constituent,		n (EC) No. 1272/2008:	None.	
2.2f Hazard stat 2.2g Precautiona 2.2h Supplemen 2.3 Other haza 2.3a Does the cl 2.3b Other haza Section 3: Compo 3.1 Substance 3.1a Chemi 3.1b Comm 3.1c CAS other uniq N 3.1g Chemical ic or individua constituent,	ictograms (Hazaro	d Symbols):	None.	
2.2g Precautiona 2.2h Supplemen 2.3 Other haza 2.3a Does the cl 2.3b Other haza Section 3: Compor 3.1 Substance 3.1a Chemical 3.1b Comm 3.1c CAS other uniq N	rd:		None.	
2.2h Supplemen 2.3 Other haza 2.3a Does the ct 2.3b Other haza Section 3: Composition 3.1 Substance 3.1a Chemi 3.1b Comm 3.1b Comm 3.1c CAS other uniq N 3.1g Chemical ic or individua constituent			None.	
2.3 Other haza 2.3a Does the ct 2.3b Other haza Section 3: Composition 3.1 Substance 3.1a Chemi 3.1b Comming 3.1c CAS other unique N 3.1g Chemical ic or individual constituent,	nary statements:		None.	
2.3a Does the ct 2.3b Other haza Section 3: Compo 3.1 Substance 3.1a Chemi 3.1b Comm 3.1b Comm 3.1b Comm 3.1c CAS other uniq N 3.1g Chemical ic or individua constituent	Supplementary precaution statements:			
2.3b Other haza Section 3: Compo 3.1 Substance 3.1a Chem 3.1b Comm 3.1c CAS other uniq N 3.1g Chemical ic or individua constituent,	Other hazards:			nation available.
Section 3: Compo 3.1 Substance 3.1a Chem 3.1b Comm 3.1b Comm 3.1c CAS other uniq N 3.1g Chemical ic or individua constituent,		e criteria for PBT or vPvB?	Not applicable.	
3.1 Substance 3.1a Chem 3.1b Comm 3.1b Comm 3.1c CAS other uniq N 3.1g Chemical ic or individua constituent	Other hazards which do not result in classification:			ilable.
3.1 Substance 3.1a Chem 3.1b Comm 3.1b Comm 3.1c CAS other uniq N 3.1g Chemical ic or individua constituent	osition/informati	on on ingredients		
3.1a Chem 3.1b Comm <u>3.1c CAS</u> <u>other uniq</u> N 3.1g Chemical ic or individua constituent			Item is a substance	
3.1b Comm <u>3.1c CAS</u> <u>other uniq</u> N 3.1g Chemical ic or individua constituent	3.1a Chemical identity: 3.1b Common name, synonyms, etc.:		660-YVAD-FMK	
3.1c CAS other uniq N 3.1g Chemical ic or individua constituent			None.	
3.1g Chemical ic constituent	3.1c CAS number and		<u>3.1e %</u>	3.1f Classification according to (EC) No.
3.1g Chemical ic or individua constituent	que identifiers:	3.1d EC number:	Concentration:	<u>1272/2008 {CLP}:</u>
3.1g Chemical ic or individua constituent	None.	None.	100%	Not classified.
or individua constituent			10070	
	Chemical identity of any impurity, stabilizing additive, or individual constituent other than the main constituent, which is itself classified and which contributes to the classification (such as product identifier, trade name, identification numbers):			
	Other information on the substance:			

Sectio	on 4: First aid measures	
4.1	Description of first aid measures:	If concerned, get medical attention/advice and provide physician with
		SDS information. Wash contaminated clothing before reuse. Never
		give anything by mouth to an unconscious person.
4.1a	Inhalation:	Due to the small packaging the risk of inhalation is minimal. Remove to
		fresh air and keep at rest in a comfortable position for breathing. If not
		breathing, give artificial respiration. Rinse nose and mouth with water.
4.1b	Skin contact:	Get medical attention if any discomfort continues. Wash skin thoroughly with soap and water for several minutes;
4.10	Skin contact.	continue to rinse for at least 15 minutes. Remove any contaminated
		clothing and shoes and wash thoroughly before reuse. Get medical
		attention if any discomfort continues.
4.1c	Eye contact:	Promptly wash eyes with plenty of water while lifting the eyelids. Make
	,	sure to remove any contact lenses from the eyes before rinsing.
		Continue to rinse for at least 15 minutes. Get medical attention if any
		discomfort continues.
4.1d	Ingestion:	NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK
		FLUIDS! Rinse mouth thoroughly. Do not induce vomiting without
		advice from poison control center or medical professional. Get medical
4.2	Maat important comptance and offects hath courts	attention if any discomfort continues.
4.2	Most important symptoms and effects, both acute and delayed:	
4.2a	Inhalation:	May cause coughing or mild irritation.
4.2b	Skin contact:	Prolonged skin contact may cause mild irritation.
4.2c	Eye contact:	May cause temporary eye irritation.
4.2d	Ingestion:	May cause discomfort if swallowed.
4.3	Indication of any immediate medical attention and	No specific first aid measures noted, but first aid may still be required
	special treatment needed:	in case of accidental exposure, inhalation, or ingestion of this product.
4.20	Netes to abusician /first respondent	If in doubt, get medical attention promptly!
4.3a	Notes to physician/first responder:	Treat symptomatically. Refer to Sections 5-8 for advice on personal protective equipment.
	n 5: Firefighting measures	
5.1	Extinguishing media: Suitable extinguishing media:	Use fire-extinguishing media appropriate for the surrounding materials. Water spray, foam, dry powder, or carbon dioxide.
5.1a 5.1b	Unsuitable extinguishing media:	None known.
5.10 5.2	Special hazards arising from the substance or	Product is not explosive. No dangerous reactions known under normal
0.2	mixture:	conditions of use.
5.2a	Hazardous combustion products:	In case of fire, toxic gases may be formed of carbon monoxide (CO),
5.01		carbon dioxide (CO ₂ ; CO _x). None under normal conditions.
5.2b 5.2c	Unusual fire & explosion hazards:	No unusual fire or explosion hazards noted.
5.20 5.3	Protective measures in fire: Advice for firefighters:	Use protective equipment appropriate for surrounding materials. Keep away from heat, hot surfaces, sparks, open flames and other
5.5	Advice for menginers.	ignition sources. No smoking.
5.3a	Special firefighting procedures:	No specific firefighting procedure given.
5.3b	Special protective equipment and precautions for	Wear full protective clothing, including self-contained breathing
	firefighters:	apparatus, if necessary. The product presents no special fire hazards
		in normal use. Keep away from heat, hot surfaces, sparks, open
		flames and other ignition sources. No smoking.
Sectio	n 6: Accidental release measures	
6.1	n 6: Accidental release measures Personal precautions, protective equipment, and	Use protective equipment appropriate for surrounding materials.
	emergency procedures:	
6.1a	General release measures:	No specific emergency measures are required other than good
		laboratory hygiene and safety practices for small spills. Wear suitable
		protective clothing, gloves and eye or face protection. Consult
0.41		professional emergency personnel if concerned (see Section 8).
6.1b	Advice for non-emergency personnel; personal	No specific emergency measures are required other than good
	precautions, protective equipment and emergency	laboratory hygiene and safety practices. Wear suitable protective
	procedures:	clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case
		of emergency (also refer to Section 8). Remove all sources of ignition.
		Ensure adequate ventilation and control dust/mist. Avoid breathing
		vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable
		protective clothing, gloves and eye or face protection to prevent any
		contamination. Consult professional emergency personnel if
		concerned.
6.1c	Advice for emergency responders; personal	Wear suitable protective clothing, gloves and eye or face protection to
	precautions, protective equipment and emergency	avoid contact; use an approved supplied-air respirator, in case of
	procedures:	emergency (also refer to Section 8).
-		

660-YVAD-FMK SDS; Doc# F17-6322-3-D; Effective: 09/26/2017; Supersedes: F17-6323-3-C; Page 3 of 6

5.3 Methods and materials for containment and clean up: Contain any spills with dikes or absorber materials sources. Place in a suitable container for disposal in accordance with local waste sources. Place in a suitable container for disposal in accordance with local waste sources. Place in a suitable container for disposal in accordance with local waste equilations (see Section 7: Handling and storage F.1 Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Avoid creation of aerosol/mixtudes. Avoid coreation galos and storage of vapors/mixtudes. Pervent contact with shin and eyes. Use appropriate personal protection equipment (PFE). Thoroughly wash hands and containmisted areas with water and scopy before leaving the work site. Keep away from sources of ignition. 7.10 Advice on general occupational hygiene: Do not test, diring on sources of ignition. 7.11 Advice on general occupational hygiene: Do not test, diring on sources of ignition. 7.22 Conditions for safe storage, including any incompatibilities: Do not test, diring on and safety precision. 7.3 Specific end use(s): For research use only. Not for use in diagnostic procedures. 7.31 Advice so general occupation is such as chemical varrage, STEL - 15 minutes (short tem sequere matter galang or the varrage of varrage). No exposure limits known. 7.32 Specific end use(s): For research use only. Not for use in diagnostic procedures. 8.4 R			ective: 09/26/2017; Supersedes: F17-6323-3-C; Page 3 of 6
clean up: impration and entry into severs or water sources. Place in a suitable container for disposition as accordance with into call waste regulations (see Section 13). Wash spill area thoroughly with plenty of soap and water. Avoid contact with skin or inhalation of spillage, dust, or vapor. 8.4 Reference to other sections: Refer to Sections 8 and 13 for additional Information. Section 7: Handling and atorsge Refer to Sections 8 and 13 for additional Information. Section 7: Handling and atorsge Do not handle with all safety proceedings have been read and understocd. Avoid areas with water and soap before leaving the work site. Request of particinal protection equipment (PPE). Thoroughly wash hands and contaminated areas with water and soap before leaving the work site. Request of containers with strong acids and strong oxidizers. 7.1a Prevent handling of incompatible substances or mixtures: Do not eat, dirk, or smoke in work areas. Wash hands and contaminated areas with water and soap before leaving the work site. Request containinated and strong oxidizers. 7.1b Advice on general occupational hygiene: Do not eat, dirk, or smoke in work areas. Wash hands after use. 7.2 Conditions for safe storage, including any including any advertable spills and feloses into the onvironment. Resp away from sources. For research use only. Not for use in diagnostic procedures. 7.3 Specific end use(s): For research use only. Not for use in diagnostic procedures. 7.4 Appropriate engineering	6.2	Environmental precautions:	Do not allow to enter drains, sewers, or watercourses.
container for disposal in accordance with local wate regulations (see Section 13). Wash pill ares throughly with plenty of soap and water. Avoid contact with skin or inhalation of spillage, dust, or vapor. 3.4 Reference to other sections: Refer to Sections 2 and 13 for additional information. Section 7: Handling and storage Do not handle until all safety precutions have been read and understood. Avoid creation of aerosorthis/divers. Avoid inhalation of resonal protection equipment (PFE). Thoroughly wash hands and contaminated areas with water and scop before leaving the work site. Keep away from sources of ignition. 7.1 Prevent handling of incompatible substances or mixtures: Avoid contact with storag adds and strong oxid/ares. 7.1.1 Advice on general occupational hygiene: Do not eat, drink, or smoke in work areas. Wash hands after use. Refer to product label. Stora in col place. Keep container shifts are opence must be carefully resealed and kept upright to accontainer shifts. For research use only. Not for use in diagnostic procedures. 7.3 Specific end use(s): For research use only. Not for use in diagnostic procedures. 8.1 Occupational protection Social and dy and all protection explores and kept upright to provent leakage. Avoid splits and relaxes in the environment. Keep away from watercourses. 8.2 Exposure controls/personal protection Social and dy and all protection accounts in splits. 3.1 Control parameters: 3.2 No exposure limits known. <	6.3		
Section 13, Wash spill area thoroughly with plot of spillage, dust, or vapor. 5.4 Reference to other sections: Refer to Sections 8 and 13 for additional information. Section 7: Handling and storage		clean up:	
Avoid contact with skin or inhalation of spillage, duits, or vipor. Section 7: Handling and storage 7.1 Precautions for safe handling: Understood. Avoid centers of a resolation in the section of a section in the section is a section in the section in the section in the section is a section in the section in the section is a section in the section in the section is a section in the section is a section in the section is a section in the section in the section in the section is a section is a section in the section in the section is a section in the section in the section in the section is a section in the section in the section is a section in the section is a section in the section in the section is a section is a section in the section is a secion section is a section is a section is a secien s			
5.4 Refer to Sections 8 and 13 for additional information. Section 7: Handling and storage Do not handle until all safety precautions have been read and understoad. Avoid creation of aerosof/mist/dust. Prevent contact with skin and eyos. Use appropriate personal protection equipment (PFE). Thoroughly wish hands and contrainated areas with water and scope before leaving the work site. Keep away from sources of ignition. 7.1a Prevent handling of incompatible substances on mixtures. Do not est dirik or smole in work stress. Wash hands after uses. Reap away from sources of ignition. 7.1b Advice on general occupational hygiene: Do not est dirik, or smole in work stress. Wash hands after uses. Rear more continnated clothing and protectione quatement before mining assing areas. Good personal hygiene accontainer tightly one container signity marks. 7.2 Conditions for safe storage, including any incompatibilities: Do not est divide and welv-entilated pace. Containers which are openic must be carefully resealed and kept upright to prevent leakage. Avoid indiatorian tyrigene and safety precise. 7.3 Specific end use(s): For research use only. Not for use in diagnostic procedures. 8.4 Occupational exposure limits, such as chemical identity, strandard. WAN hands after uses. 8.1 Control parameters: No exposure limits known. 8.1 Control parameters: No exposure limits known. 8.1 Appropriate engineentity. Stren and stafety showers are proximal to the workstation.			
Section 7: Handling and storage Do not handle until all safety precautions have been read and understood. Avoid creation of aerosol/mist/dust. Avoid inhalation of vapors/mist/dust. Prevent contact with skin and eyes. Use appropriate performance of approximation of aerosol/mist/dust. Avoid inhalation of vapors/mist/dust. Prevent contact with skin and eyes. Use appropriate performance of apprint. 7.1a Prevent handling of incompatible substances or mixtures: Avoice on general occupational hygiene: Avoice on sense in work areas. Wash hands and contaminated areas. Mash hands after use. The move contaminated clothing and protective explorement before on the intermet areas. Wash hands after use. The new contaminated clothing and protective explorement before. Score prevent sets as Coop destonal hygiene is necessary. Follow good laboratory hygiene and safety practices. 7.2 Conditions for safe storage, including any incompatibilities: For research use only. Not for use in diagnostic procedures. 7.3 Specific end use(s): For research use only. Not for use in diagnostic procedures. 7.4 Occupational exposure limits, such as cherrical diversity of the prevent leakes. Avoid applicate engineering controls: 7.4 Control parameters: No exposure limits known. 7.4 Approprime controls: Provide aywaysh station. 7.5 Safety symbols: Veer gloves, protective googles, and lab coat. 7.6 Exposure controls: Provide aywaysh station. <t< td=""><td>~ 4</td><td>Defenses to other coefficients</td><td></td></t<>	~ 4	Defenses to other coefficients	
7.1 Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Avoid creation of aerosol/mist/dust. Verveint contact with skin and yess. Use appropriate personal protection equipment (PEP). Thoroughly wash hands and contaminated areas with water and soap before leaving the work site. Keep away from sources of ignition. 7.1a Prevent handling of incompatible substances or mixtures: Avoid contact with strong acids and strong oxidizers. 7.1b Advice on general occupational hygiene: Do not eat, drink, or smoke in work areas. Wash hands after use. 7.2 Conditions for safe storage, including any incompatibilities: Do not eat, drink, or smoke in work areas. Wash hands after use. 7.3 Specific end use(s): For research use only. Not for use in diagnostic procedures. 7.3 Specific end use(s): For research use only. Not for use in diagnostic procedures. 8.1 Occuptational exposure limits, such as chemical identity, standard, TWA-8 hours (time weighted average), STEL-16 mixels (time exposure limits known. 9.1 Octific presentories: - 9.1 Froesecontal protective goggies, and lab coat. 9.1 Foroide approtective exposure limits. Ste aco he absorbed through skin. 9.1 Foroide adgraue versition (coation) and strong str	6.4	Reference to other sections:	Refer to Sections 8 and 13 for additional information.
understood. Avoid creation of aeroso/misrytouts. Avoid inhalation of yaeroso/misrytouts. Avoid inhalation of yaeroso/misrytouts. Avoid inhalation of yaerosofinisrytouts. Prevent ontact with skin and eyes. Use appropriate personal protection equipment (PPE). Throughy wash hands and contaminated areas with water and scap before leaving the work site. Keep away from sources of ignition. 7.1a Prevent handling of incompatible substances or mixtures: Avoid contact with strong acids and strong oxid/zers. 7.1b Advice on general occupational hygiene: Do not est, drink, or smoke in work areas. Wash hands after use. Remove contaminated areas. Good personal hygiene is necessary. Follow good laboratory hygiene and safety practices. 7.2 Conditions for safe storage, including any incompatibilities: Do not est, drink, or smoke in work areas. Wash hands after use. Remove contaminated areas. Good personal hygiene is necessary. Follow good laboratory hygiene and safety practices. 7.3 Specific end use(s): For research use only. Not for use in diagnostic procedures. 7.4 Occupational exposure limits, such as chemical identity, standard, TWA-B hours (time weighted avaerage). STEL-15 mixels (short term exposure limits known. 7.1 No exposure limits is such as personal protective goggles, and lab coat. 7.1 Foroida exposure limits. Such as personal protective goggles, and lab coat. 7.1 Safety symbols: 8.2 Exposure controls: 7.1	Sectio	n 7: Handling and storage	
vapors/mis/dust. Prevent contact with skin and eyes. Use appropriate personal protection equipment (PEP): Throughly wash hands and contaminated areas with water and scap before leaving the work site. Keep away from sources of juiltion. 7.1a Prevent handling of incompatible substances or mixtures: Avoid contact with strong acids and strong oxidizers. 7.1b Advice on general occupational hygiene: Bo not eat, drink, or smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering acting areas. Good personal hygiene is necessary. Follow good laboratory hygiene and safety practices. 7.2 Conditions for safe storage, including any incompatibilities: Do not eat, drink, or smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering acting and well-ventilated place. Containers which are opene- must be carefully resealed and kept upright protections. 7.3 Specific and use(s): For research use only. Not for use in diagnostic procedures. Section 8: Exposure controls/personal protection average), STEL-15 mixtures (short term exposure limit), etc.: WEL = Workpace Exposure int diverting controls: No exposure limits known. 3.1d Safety symbols: . . 3.2 Engineering controls: . 3.2 Provide adguate ventilation. . 3.2 Safety symbols: . 3.2<	7.1		Do not handle until all safety precautions have been read and
Prisonal protection equipment (PPE). Throughly wash hands and contaminated areas with water rates with water rates. Good presents with and a fitter use, Remove contaminated clothing and protective equipment before entering eating rates. Good presonal hygiene is necessary. Follow good laboratory hygiene and safety practices. 7.2 Conditions for safe storage, including any incompatibilities: Do not est, drink, or smoke in work areas. Wash hands after use, Remove contaminated ducture equipment before entering eating rates. Good presonal hygiene is necessary. Follow good laboratory hygiene and safety practices. 7.3 Specific end use(s): For research use only. Not for use in diagnostic procedures. 7.4 Control parameters: . No exposure limits known. 7.4 Appropriate engineering controls: . No exposure limits known. 7.4 Control parameters: . No exposure limits known. 7.4 Safety symbols: . No exposure limits known. 7.4 Safety symbols: . No exposure limits known. 7.4 Safety symbols: . <td< td=""><td></td><td></td><td></td></td<>			
Prevent handling of incompatible substances or mixtures: Contaminated areas with water and scape before leaving the work site. Keep away from sources of ignition. 7.1b Advice on general occupational hygiene: Avoid contact with strong acids and strong oxidizers. 7.1b Advice on general occupational hygiene: Do not eat, drink, or smoke in work areas. Wash hands after use. Remove contaminated dothing and protective equipment before entering eating areas. Good personal hygiene is necessary. Follow good laboratory hygiene and safety practices. 7.2 Conditions for safe storage, including any incompatibilities: Do not eat, drink, or smoke in work areas. Socies in a dy and well-writing and protective equipment before entering eating areas. Good personal hygiene is necessary. Follow good laboratory hygiene and safety practices. 7.3 Specific end use(s): For research use only. Not for use in diagnostic procedures. Section 8: Exposure controls/personal protection average). STEL-15 minutes (short term exposure limit), etc. WE L = Workplace Exposure limit. S. an be absorbed through skin. No exposure limits known. 3.1d Safety symbols: - - 3.2a Process conditions: - - 3.2a Process conditions: - - 3.2a Process conditions: - - 3.2a Provide adequate ventilation.			
Keep away from sources of ignition. 7.1a Prevent handling of incompatible substances or inxitures: Advice on general occupational hygiene: Avoid contact with strong acids and strong oxidizers. 7.1b Advice on general occupational hygiene: Do not eat, drink, or smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas. Good personal hygiene is necessary. Follow good laboratory hygiene and safety practices. 7.2 Conditions for safe storage, including any incompatibilities: Refer to product label. Store in cool place. Keep container tightly closed in a dry and well-venillared place. Containers which are opene must be carefully reseated and kept upright to prevent leakage. Avoid spills and release into the environment; keep away from watercourses. Section 8: Exposure controls/personal protection Exposure controls/personal protection 8.1a Control parameters: No exposure limits known. 8.1b Appropriate engineering controls: No exposure limits known. 8.1c Individual protection measures, such as personal protective equipment because. No exposure limits known. 8.2a Process conditions: Environal engineering controls: No exposure limits known. 8.1b Appropriate engineering controls: Provide eyewash station Envisetenene to the section:			
7.1a Prevent handling of incompatible substances or mixtures: Avoid contact with storng acids and strong avidizers. 7.1b Advice on general occupational hygiene: Do not eat, dink, or smoke in work areas. Wash hands after use. Remove contaminated chaining and protective equipment before entering eating areas. Good personal hygiene is necessary. Follow and additional additionad additional additional add			
mixtures: Do not eat. drink, or smoke in work areas. Wash hands after use. Advice on general occupational hygiene: Do not eat. drink, or smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entring eating areas. Good personal hygiene is necessary. Follow good laboratory hygiene in ecol place. Keep container tightly closed in a dry and well-ventilated place. Containers which are openee that the environment. keep away from watercourses. 7.3 Specific end use(s): For research use only. Not for use in diagnostic procedures. 8.1 Concupatibilities: in a dry and well-ventilated place. Containers which are openee must be carefully reseated and kept upright to prevent leakage. Avoid spills and release into the environment. keep away from watercourses. 8.1 Control parameters: For research use only. Not for use in diagnostic procedures. 8.1 Control parameters: in a diagnostic procedures. 1.1 Control parameters: No exposure limits known. 1.1 Appropriate engineering controls: No exposure limits known. 1.1 Safety symbols. Wear gloves, protective goggles, and lab coat. 1.1 Safety symbols. Provide eyewash stations and safety showers are proximal to the workstation location. 3.2 Process conditions: Provide adequate ventilation and saf			
7.1b Advice on general occupational hygiene: Do not est, drink, or smoke in work areas. Wash hands after use. Remove contaminated dothing and protective equipment before entering eating areas. Good personal hygiene is necessary. Follow good laboratory hygiene and safety practices. 7.2 Conditions for safe storage, including any incompatibilities: Peter to product label. Store in cool place. Keep container tightly closed in a dry and well-venitated place. Containers which are openeer must be carefully resealed and kept upright to prevent leakage. Avoid spills and release into the environment, keep away from watercourse. Section 8: Exposure controls/personal protection 3.1 Control parameters: . 3.1 Appropriate engineering controls: <td>7.1a</td> <td></td> <td>Avoid contact with strong acids and strong oxidizers.</td>	7.1a		Avoid contact with strong acids and strong oxidizers.
Remove contaminated clothing and protective equipment before entering eating areas. Cool personal hygiene is necessary. Follow good laboratory hygiene and safety practices. 7.2 Conditions for safe storage, including any incompatibilities: Refer to product label. Store in cool place. Keep containers which are openee must be carefully resealed and kept upright to prevent leakage. Avoid spills and release into the environment; keep away from watercourses. Specific end use(s): For research use only. Not for use in diagnostic procedures. Section 8: Exposure controls/personal protection No exposure limits known. 3.1a Occupational exposure limits, such as chemical identity, standard, TWA-8 hours (time weighted average), STEL-15 minutes (short term exposure limit), etc: WEL = Workplace Exposure Limit. Sk = can be absorbed through skin. Wear gloves, protective goggles, and lab coat. 3.1d Safety symbols: Wear gloves, protective goggles, and lab coat. 3.1d Safety symbols: Provide eyewash station. 3.2c Ventilation controls: Provide eyewash station. 3.2d Reference to other sections: Refer to Section 5 for additional information. 3.2d Kerence to other sections: Refer to Section 5 for additional information. 3.2d Kerpineering controls: Refer to Section 5 for additional information. 3.2d Kerpineerin	7.1b		Do not eat, drink, or smoke in work areas. Wash hands after use.
Entering eating areas. Good personal hygiene is necessary. Follow good laboratory hygiene and safety practices. 7.2 Conditions for safe storage, including any incompatibilities: Refer to product label. Store in cool place. Keep container tightly closed in a dry and well-venillated place. Containers witch are opence must be carefully resealed and kept upright to prevent leakage. Avoid splits and release into the environment, keep away from watercourses. Section 8: Exposure controls/personal protection Image: Control approximate (structure) 1.1 Occupational exposure limits, such as chemical identity, standard, TWA-8 hours (time weighted average), STEL-15 minutes (short time exposure limit), etc: WEL = Workplace Exposure Limit. Sk = can be absorbed through skin. No exposure limits known. 3.16 Individual protection measures, such as personal protective equipment: Wear gloves, protective goggles, and lab coat. 3.16 Safety symbols: Provide eyewash station. 3.2a Process conditions: Provide eyewash station. 3.2b Engineering controls: Provide eyewash station. 3.2a Exposure controls: Provide eyewash station. 3.2b Engineering controls: Provide eyewash station. 3.2b Engineering controls: Provide educate venillation. 3.2d Kin protection: Wear agrowed chemical afa			
2.2 Conditions for safe storage, including any incompatibilities: Refer to product tabel. Store in cool place. Keep containers which are openee must be carefully researed and kept upright to prevent leakage. Avoid spills and release into the environment. keep away from watercourses. 7.3 Specific end use(s): For research use only. Not for use in diagnostic procedures. 8.1 Control parameters: . 3.1a Occupational exposure limits, such as chemical identity, standard, TWA-8 hours (time weighted average), STEL-15 minutes (short term exposure limit, st. = can be absorbed through skin. No exposure limits known. 3.1d Carptate engineering controls: . 3.1d Safety symbols: . 8.22 Process controls: . 9.71 Divide equipment: . 3.24 Process controls: . 9.24 Process controls: . 9.24 Process controls: . 9.24 Provide equipment: . 9.24 Process controls: . 9.24 Process controls: . 9.24 Process controls: . 9.24 Provide equipment: . 9.24 Stafey symbols: .			
Incompatibilities: closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to provent leakage. Avoid spills and release into the environment; keep away from watercourses. 7.3 Specific end use(s): For research use only. Not for use in diagnostic procedures. Section 8: Exposure controls/personal protection Image: Control parameters: Image: Control parameters: 3.1a Occupational exposure limits, such as chemical identity, standard, TWA-8 hours (time weighted average), STEL-15 minutes (short term exposure limits). No exposure limits known. 3.1b Appropriate engineering controls: Image: Control parameters Image: Control parameters 3.1c Individual protection measures, such as personal protective gauges, station measures, such as personal protective equipment: Wear gloves, protective gauges, and lab coat. 3.2d Process conditions: Provide eyewash station. Empireering controls: 3.2d Ventilation controls: Provide eyewash station location. Image: Controls and protection: 3.2d Explace protection: Refer to Section 5 for additional information. Ease of contact. 3.2d Explace protection: Wear approved chemical safety solutes as backup to engineering controls: 3.2d Reference to other sections: <td></td> <td></td> <td></td>			
Incompatibilities: closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid spills and release into the environment; keep away from watercourses. 7.3 Specific end use(s): For research use only. Not for use in diagnostic procedures. Section 8: Exposure controls/personal protection . . 3.1 Occupational exposure limits, such as chemical identity, standard, TWA-8 hours (time weighted average), STEL-15 minutes (short term exposure limit, st.: WEL = Workplace Exposure Limit. Sk = can be absorbed through skin. . 3.16 Individual protection measures, such as personal protective equipment: . . 3.16 Safety symbols: . . . 3.2 Exposure controls: . . . 3.14 Safety symbols: 3.2 Process conditions: 3.2 London controls: Provide eyewash station. . . 3.2 Ventilation controls: Provide adequate ventilation. . . 3.2 Ventilation controls: Provide adequate ventilation. .	7.2	Conditions for safe storage, including any	
must be carefully resealed and kept upright to prevent leakage. Avoid splits and release into the environment; keep away from watercourses. 7.3 Specific end use(s): For research use only. Not for use in diagnostic procedures. Section 8: Exposure controls/personal protection Control parameters: Image: Control parameters: 1 Control parameters: Image: Control parameters: Image: Control parameters: 1.1 Control parameters: Image: Control parameters: Image: Control parameters: 1.1 Control parameters: Image: Control parameters: Image: Control parameters: 1.1 Control parameters: Image: Control parameters: Image: Control parameters: 1.2 Control parameters: Image: Control parameters: Image: Control parameters: 3.1.6 Appropriate engineering controls: Image: Control parameters: Image: Control parameters: 3.2 Process conditions: Provide eyewash station. Image: Control parameters: 3.2.7 Process conditions: Provide adequate ventilation controls: Provide adequate ventilation controls: 3.2.8 Process conditions: Provide adequate ventilation controls: Provide adequate ventilation controls: <td></td> <td></td> <td></td>			
Spills and release into the environment: keep away from watercourses. Section 8: Exposure controls/personal protection 3.1 Control parameters: 3.1 Cocupational exposure limits, such as chemical identity, standard, NWA-8 hours (time weighted average), STE-15 minutes (short term exposure limits, trime weighted average), STE-15 minutes (short term exposure limit, St = can be absorbed through skin. 3.16 Appropriate engineering controls: a.1.1 Individual protection measures, such as personal protective goggles, and lab coat. b.11 Safety symbols: 3.2 Exposure controls: 3.2 Process conditions: Provide eyewash station. Ensure that eyewash station. 3.20 Ventilation controls: 3.21 Ventilation controls: 3.22 Evence controls: 3.23 Reference to other sections: 3.24 Evence conterols: 3.25 Engineering controls: 3.26 Ventilation controls: 3.27 Ventilation controls: 3.28 Eyelface protection: 3.29 Reference to other sections: 3.20 Reference to other section: 3.21 Wear approved chemical safety goggles whe			
Z.3 Specific end use(s): For research use only. Not for use in diagnostic procedures. Section 8: Exposure controls/personal protection			
8.1 Control parameters: . 8.1a Occupational exposure limits, such as chemical identity, standard, TWA-8 hours (time weighted average), STEL-15 minutes (short term exposure limits, the workplace Exposure Limit, Sk = can be absorbed through skin. No exposure limits known. 10 Appropriate engineering controls: . 3.1c Individual protection measures, such as personal protective equipment: Wear gloves, protective goggles, and lab coat. 3.1d Safety symbols: . . 3.2a Process conditions: Provide eyewash station. 3.2b Engineering controls: . 3.2c Ventilation controls: Provide adequate ventilation. 3.2d Reference to other sections: Refer to Section 15 for additional information. 3.2e Eye/face protection: Wear agronor protective gloves if risk of skin contact. 3.2d Kin protection: Use suitable protective gloves if risk of skin contact. 3.2d Hand protection: Use suitable protective gloves if risk of skin contact. 3.2d Kin protection: Wear agronor protective cloiting in case of contact. 3.2d Hand protection: Use suitable protective gover share and components tested and aproved under appropriator cartridges as a backup to engineering co	7.3	Specific end use(s):	For research use only. Not for use in diagnostic procedures.
8.1 Control parameters: . 8.1a Occupational exposure limits, such as chemical identity, standard, TWA-8 hours (time weighted average), STEL-15 minutes (short term exposure limits, the workplace Exposure Limit, Sk = can be absorbed through skin. No exposure limits known. 10 Appropriate engineering controls: . 3.1c Individual protection measures, such as personal protective equipment: Wear gloves, protective goggles, and lab coat. 3.1d Safety symbols: . . 3.2a Process conditions: Provide eyewash station. 3.2b Engineering controls: . 3.2c Ventilation controls: Provide adequate ventilation. 3.2d Reference to other sections: Refer to Section 15 for additional information. 3.2e Eye/face protection: Wear agronor protective gloves if risk of skin contact. 3.2d Kin protection: Use suitable protective gloves if risk of skin contact. 3.2d Hand protection: Use suitable protective gloves if risk of skin contact. 3.2d Kin protection: Wear agronor protective cloiting in case of contact. 3.2d Hand protection: Use suitable protective gover share and components tested and aproved under appropriator cartridges as a backup to engineering co	Santia	n 9: Evineouro controlo/noroonal protection	
3.1a Occupational exposure limits, such as chemical identity, standard, TWA-8 hours (time weighted average), STEL-15 minutes (short term exposure limit), etc.: WEL = Workplace Exposure Limit, Sk = can be absorbed through skin. No exposure limits known. 3.1b Appropriate engineering controls: . . 3.1c Individual protection measures, such as personal protective equipment: Wear gloves, protective goggles, and lab coat. 3.1d Safety symbols: . . 3.2a Process conditions: Provide eyewash station. 3.2b Engineering controls: . 3.2c Ventilation controls: Provide eyewash station. 3.2d Ventilation controls: Provide adequate ventilation. 3.2e Eye/face protection: Refer to Section 5 for additional information. 3.2d Reference to other sections: Refer to Section 5 for additioning in case of contact. 3.2f Skin protection: User approved chemical affety goggles where eye exposure is reasonably probable or face shield if risk of shic contact. 3.2f Skin protection: Wear aproroved chemical affety goggles where eye exposure is reasonably probable or face shield if risk of shic contact. 3.2f Skin protection: Wear aproroved chemical affety goggles where eye exposure is reasonably probable or fa	8.1		
average), STEL-15 minutes (short term exposure limit), etc.: WEL = Workplace Exposure Limit. Sk = can be absorbed through skin. . 3.16 Appropriate engineering controls: . 3.16 Individual protection measures, such as personal protective equipment: Wear gloves, protective goggles, and lab coat. 3.11 Safety symbols: . 3.2 Exposure controls: . 3.2. Process conditions: Provide eyewash station. 3.2.0 Engineering controls: Provide eyewash station. 3.2.0 Ventilation controls: Provide eyewash station. 3.2.0 Ventilation controls: Provide adequate ventilation. 3.2.1 Ventilation controls: Provide adequate ventilation. 3.2.2 Ventilation controls: Refer to Section 5 for additional information. 3.2.1 Reference to other sections: Refer to Section 5 for additional information. 3.2.2 Skin protection: Wear aproved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of shin contact. 3.2.2 Skin protection: Wear apron or protective clothing in case of contact. 3.2.1 Skin protection: Wear apron or protective clothing in case of contact. 3.2	8.1a		No exposure limits known.
limit), etc.: WEL = Workplace Exposure Limit. Sk = can be absorbed through skin. 3.1b Appropriate engineering controls: 3.1c Individual protection measures, such as personal protective equipment: 3.1d Safety symbols: 3.1d Safety symbols: 3.2e Exposure controls: 3.2a Process conditions: 3.2b Engineering controls: 3.2c Ventilation controls: 3.2c Ventilation controls: 3.2c Ventilation controls: 3.2c Ventilation controls: 3.2e Provide adequate ventilation. 3.2e Provide adequate ventilation. 3.2e Ventilation controls: 3.2c Ventilation controls: 3.2e Provide adequate ventilation. 3.2e Eyefrace protection: 3.2e Eyefrace protection: 3.2e Hand protection: 3.2e Eyefrace protection: 3.2e Hand protection: 3.2e Hand protection: 3.2a Hand protection: 3.2h Respiratory equipment:		identity, standard, TWA-8 hours (time weighted	
can be absorbed through skin. 8.1b Appropriate engineering controls: 3.1c Individual protection measures, such as personal protective equipment: 3.1d Safety symbols: 8.1d Safety symbols: 8.2 Exposure controls: 3.2 Process conditions: 8.2 Process conditions: 8.2 Engineering controls: 8.2 Evolution controls: 8.2 Evolution controls: 8.2 Evolution controls: 8.2 Evolution controls: 8.2 Evolution: 8.2 Evolution: 8.2 Evolution: 8.2 Evolution: 8.2 Evolution: 8.2 Evolution: 8.2 Ventilation controls: 8.2 Reference to other section: 8.2 Refe			
3.1c Appropriate engineering controls: . 1rdividual protection measures, such as personal protective equipment: Wear gloves, protective egogles, and lab coat. 3.1d Safety symbols: Individual protective equipment: 3.1d Safety symbols: Image: Controls in the equipment in the equi		limit), etc.: WEL = Workplace Exposure Limit. Sk =	
3.1c Individual protection measures, such as personal protective equipment: Wear gloves, protective goggles, and lab coat. 3.1d Safety symbols: Image: Safety symbols and safety showers are proximal to the workstation location. 3.2a Exposure controls: Provide eyewash station. 3.2b Engineering controls: Provide eyewash station. 3.2c Ventilation controls: Provide adequate ventilation. 3.2d Reference to other sections: Refer to Section 5 for additional information. 3.2d Eye/face protection: Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing. 3.2f Skin protection: Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing. 3.2f Skin protection: Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing. 3.2f Skin protection: Wear approved chemical safety goggles as a backup to engineering controls. If the respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators are appropriate government standards such as NIOSH (US) or CEN (EU). 3		can be absorbed through skin.	
protective equipment: 3.1d Safety symbols: 3.1d Safety symbols: 3.2a Process conditions: 3.2a Process conditions: 3.2b Engineering controls: 3.2c Ventilation controls: 3.2c Ventilation controls: 3.2d Reference to other sections: 8.2d Reference to other sections: 8.2e Eye/face protection: Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing. 8.2f Skin protection: Wear apron or protective clothing in case of contact. 3.2g Hand protection: 3.2h Respiratory equipment: 8.2h Respiratory equipment: 8.2i Other protection: Weare appropriate government standards such as NIOSH (US) or CEN (EU). 8.2i Other protection: 8.2i Other protection: 8.2i Other protection: 8.2i Diver	8.1b	Appropriate engineering controls:	
8.1d Safety symbols: Image: Construction of the symbol of the symbo	8.1c	Individual protection measures, such as personal	Wear gloves, protective goggles, and lab coat.
8.2 Exposure controls:		protective equipment:	
3.2a Process conditions: Provide eyewash station. 3.2b Engineering controls: Ensure that eyewash stations and safety showers are proximal to the workstation location. 3.2c Ventilation controls: Provide adequate ventilation. 3.2d Reference to other sections: Refer to Section 5 for additional information. 3.2e Eye/face protection: Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing. 3.2f Skin protection: Use suitable protective gloves if risk of shin contact. 3.2g Hand protection: Use suitable protective gloves if risk of shin contact. 3.2h Respiratory equipment: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) 3.2i Other protection: Wear appropriate clothing to avoid skin contact. 3.2j Hygiene measures: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shif and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to provent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated	8.1d	Safety symbols:	
3.2a Process conditions: Provide eyewash station. 3.2b Engineering controls: Ensure that eyewash stations and safety showers are proximal to the workstation location. 3.2c Ventilation controls: Provide adequate ventilation. 3.2d Reference to other sections: Refer to Section 5 for additional information. 3.2e Eye/face protection: Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing. 3.2f Skin protection: Use suitable protective gloves if risk of shin contact. 3.2g Hand protection: Use suitable protective gloves if risk of shin contact. 3.2h Respiratory equipment: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) 3.2i Other protection: Wear appropriate clothing to avoid skin contact. 3.2j Hygiene measures: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shif and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to provent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated			
3.2a Process conditions: Provide eyewash station. 3.2b Engineering controls: Ensure that eyewash stations and safety showers are proximal to the workstation location. 3.2c Ventilation controls: Provide adequate ventilation. 3.2d Reference to other sections: Refer to Section 5 for additional information. 3.2e Eye/face protection: Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing. 3.2f Skin protection: Use suitable protective gloves if risk of shin contact. 3.2g Hand protection: Use suitable protective gloves if risk of shin contact. 3.2h Respiratory equipment: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) 3.2i Other protection: Wear appropriate clothing to avoid skin contact. 3.2j Hygiene measures: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shif and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to provent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated			
3.2a Process conditions: Provide eyewash station. 3.2b Engineering controls: Ensure that eyewash stations and safety showers are proximal to the workstation location. 3.2c Ventilation controls: Provide adequate ventilation. 3.2d Reference to other sections: Refer to Section 5 for additional information. 3.2e Eye/face protection: Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing. 3.2f Skin protection: Use suitable protective gloves if risk of shin contact. 3.2g Hand protection: Use suitable protective gloves if risk of shin contact. 3.2h Respiratory equipment: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) 3.2i Other protection: Wear appropriate clothing to avoid skin contact. 3.2j Hygiene measures: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shif and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to provent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated			
3.2a Process conditions: Provide eyewash station. 3.2b Engineering controls: Ensure that eyewash stations and safety showers are proximal to the workstation location. 3.2c Ventilation controls: Provide adequate ventilation. 3.2d Reference to other sections: Refer to Section 5 for additional information. 3.2e Eye/face protection: Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing. 3.2f Skin protection: Use suitable protective gloves if risk of shin contact. 3.2g Hand protection: Use suitable protective gloves if risk of shin contact. 3.2h Respiratory equipment: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) 3.2i Other protection: Wear appropriate clothing to avoid skin contact. 3.2j Hygiene measures: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shif and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to provent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated			
3.2b Engineering controls: Ensure that eyewash stations and safety showers are proximal to the workstation location. 3.2c Ventilation controls: Provide adequate ventilation. 3.2d Reference to other sections: Refer to Section 5 for additional information. 3.2e Eye/face protection: Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing. 3.2f Skin protection: Wear apron or protective clothing in case of contact. 3.2g Hand protection: Use suitable protective gloves if risk of shin contact. 3.2h Respiratory equipment: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator is the sole means of protection, use a full-face supplied air respirator. 3.2i Other protection: Wear appropriate clothing to avoid skin contact. 3.2j Hygiene measures: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shif and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to provent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated 3.2k Thermal hazards: None kn	8.2		
Base workstation location. 3.2c Ventilation controls: Provide adequate ventilation. 3.2d Reference to other sections: Refer to Section 5 for additional information. 3.2e Eye/face protection: Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing. 3.2f Skin protection: Wear apron or protective clothing in case of contact. 3.2g Hand protection: Use suitable protective gloves if risk of skin contact. 3.2h Respiratory equipment: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator cartridges as a backup to engineering controls. If the respirator cartridges as a backup to engineering controls. If the respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). 3.2i Other protection: Wear appropriate clothing to avoid skin contact. 3.2j Hygiene measures: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shif and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated	8.2a		
3.2c Ventilation controls: Provide adequate ventilation. 3.2d Reference to other sections: Refer to Section 5 for additional information. 3.2e Eye/face protection: Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing. 3.2f Skin protection: Wear approved chemical safety gogles where eye exposure is reasonably probable or face shield if risk of splashing. 3.2g Hand protection: Use suitable protective gloves if risk of skin contact. 3.2g Hand protection: Use suitable protective gloves if risk of skin contact. 3.2h Respiratory equipment: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). 3.2i Other protection: Wear appropriate clothing to avoid skin contact. 3.2j Hygiene measures: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shif and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated 3.2k Thermal hazards: None kno	8.2b	Engineering controls:	
3.2d Reference to other sections: Refer to Section 5 for additional information. 3.2e Eye/face protection: Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing. 3.2f Skin protection: Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing. 3.2g Hand protection: Use suitable protective clothing in case of contact. 3.2g Hand protection: Use suitable protective gloves if risk of skin contact. 3.2h Respiratory equipment: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face approved under appropriate government standards such as NIOSH (US) or CEN (EU). 3.2i Other protection: Wear appropriate clothing to avoid skin contact. 3.2j Hygiene measures: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shif and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated 3.2k Thermal hazards: None known under normal conditions of use.	8.20	Ventilation controls:	
3.2e Eye/face protection: Wear approved chemical safety goggles where eye exposure is reasonably probable or face shield if risk of splashing. 3.2f Skin protection: Wear apron or protective clothing in case of contact. 3.2g Hand protection: Use suitable protective gloves if risk of skin contact. 8.2h Respiratory equipment: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). 3.2i Other protection: Wear appropriate clothing to avoid skin contact. 8.2j Hygiene measures: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shif and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated 8.2k Thermal hazards: None known under normal conditions of use.			
3.2f Skin protection: Wear apron or protective clothing in case of contact. 3.2g Hand protection: Use suitable protective gloves if risk of skin contact. 3.2h Respiratory equipment: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). 3.2i Other protection: Wear appropriate clothing to avoid skin contact. 3.2j Hygiene measures: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shif and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated 3.2k Thermal hazards: None known under normal conditions of use.	8.2e		
3.2f Skin protection: Wear apron or protective clothing in case of contact. 3.2g Hand protection: Use suitable protective gloves if risk of skin contact. 3.2h Respiratory equipment: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). 3.2i Other protection: Wear appropriate clothing to avoid skin contact. B.2j Hygiene measures: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shif and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated 8.2k Thermal hazards: None known under normal conditions of use.	0.20		
B.2g Hand protection: Use suitable protective gloves if risk of skin contact. B.2h Respiratory equipment: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). B.2i Other protection: Wear appropriate clothing to avoid skin contact. B.2j Hygiene measures: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shif and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated B.2k Thermal hazards: None known under normal conditions of use.	8.2f	Skin protection:	
B.2h Respiratory equipment: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). B.2i Other protection: Wear appropriate clothing to avoid skin contact. B.2j Hygiene measures: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shif and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated B.2k Thermal hazards: None known under normal conditions of use.			
use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).8.2iOther protection:Wear appropriate clothing to avoid skin contact.B.2jHygiene measures:DO NOT SMOKE IN WORK AREA! Wash at the end of each work shif and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated8.2kThermal hazards:None known under normal conditions of use.	8.2h		
ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).8.2iOther protection:Wear appropriate clothing to avoid skin contact.8.2jHygiene measures:DO NOT SMOKE IN WORK AREA! Wash at the end of each work shif and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated8.2kThermal hazards:None known under normal conditions of use.		1 X . 1. 1	
S.2iOther protection:Wear appropriate clothing to avoid skin contact.B.2iOther protection:Wear appropriate clothing to avoid skin contact.B.2jHygiene measures:DO NOT SMOKE IN WORK AREA! Wash at the end of each work shif and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated8.2kThermal hazards:None known under normal conditions of use.			
supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).3.2iOther protection:Wear appropriate clothing to avoid skin contact.8.2jHygiene measures:DO NOT SMOKE IN WORK AREA! Wash at the end of each work shif and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated8.2kThermal hazards:None known under normal conditions of use.			controls. If the respirator is the sole means of protection, use a full-face
approved under appropriate government standards such as NIOSH (US) or CEN (EU). 3.2i Other protection: 3.2j Hygiene measures: B.2j Hygiene measures: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shif and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated 3.2k Thermal hazards:			
(US) or CEN (EU). 3.2i Other protection: 3.2j Hygiene measures: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shif and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated 3.2k Thermal hazards:			
B.2j Hygiene measures: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shif and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated B.2k Thermal hazards: None known under normal conditions of use.			(US) or CEN (EU).
 and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated Thermal hazards: None known under normal conditions of use. 	8.2i		Wear appropriate clothing to avoid skin contact.
clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated 3.2k Thermal hazards:	8.2j	Hygiene measures:	
B.2k Thermal hazards: prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated			
promptly with soap and water if skin becomes contaminated 8.2k Thermal hazards: None known under normal conditions of use.			
B.2k Thermal hazards: None known under normal conditions of use.			
B.21 Environmental exposure controls: Not determined.	8.2k		
	8.21	Environmental exposure controls:	Not determined.

	n 9: Physical and chemical properties	
9.1	Information on basic physical and chemical	
	properties:	
9.1a	Appearance (physical state, color, etc.):	Powder, dust.
9.1b	Odor:	No characteristic odor.
9.1c	Odor threshold:	Not determined.
9.1d	pH:	Not applicable.
9.1e	Melting point/freezing point (°C):	Not determined.
9.1f	Initial boiling point and boiling range:	Not determined.
9.1g	Flash point (°C):	Not applicable.
9.1h	Evaporation rate:	Not applicable.
9.1i	Flammability (solid, gas): Upper/lower flammability or explosive limits:	Not determined.
9.1j 9.1k	Vapor pressure:	Not determined. Not applicable.
9.1k 9.1l	Vapor density (Air =1):	Not applicable.
9.1m	Relative density:	Not determined.
9.1n	Solubility(ies):	Insoluble in water; soluble in organic solvents.
9.10	Partition coefficient (N-octanol/water):	Not determined.
9.1p	Auto-ignition temperature (°C):	Not determined.
9.1g	Decomposition temperature (°C):	Not determined.
9.1r	Viscosity:	Not determined.
9.1s	Explosive properties:	Not determined.
9.1t	Oxidizing properties:	Not determined.
9.2	Other information:	None.
9.2a	Other physical or chemical parameters:	None.
Sectio	n 10: Stability and reactivity	
10.1	Reactivity:	No data available.
10.2	Chemical stability:	Stable under normal storage and temperature conditions.
10.3	Possibility of hazardous reactions:	Hazardous polymerization: no data available.
10.4	Conditions to avoid:	To avoid product degradation, avoid exposure to high temperatures or
		direct sunlight or light.
	Incompatible materials:	No data available.
10.5		
10.5 10.6	Hazardous decomposition products:	None under normal conditions.
10.6	Hazardous decomposition products:	
10.6 Sectio	Hazardous decomposition products:	
10.6 Sectio 11.1	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects:	None under normal conditions.
10.6 Sectio 11.1 11.1a	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name:	None under normal conditions. . 660-YVAD-FMK
10.6 Sectio 11.1 11.1a 11.1b	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity:	None under normal conditions. . 660-YVAD-FMK Not determined.
10.6 Sectio 11.1 11.1a 11.1b 11.1c	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation:	None under normal conditions. . 660-YVAD-FMK Not determined. Not determined.
Sectio 11.1 11.1a 11.1b 11.1c 11.1d	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation:	None under normal conditions. . 660-YVAD-FMK Not determined. Not determined. Not determined. Not determined.
Sectio 11.1 11.1a 11.1b 11.1c 11.1d 11.1d 11.1e	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization:	None under normal conditions. . 660-YVAD-FMK Not determined.
Sectio 11.1 11.1a 11.1b 11.1c 11.1d 11.1d 11.1e 11.1f	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity:	None under normal conditions. . 660-YVAD-FMK Not determined.
Sectio 11.1 11.1a 11.1b 11.1c 11.1d 11.1d 11.1e 11.1f 11.1g	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity:	None under normal conditions. . 660-YVAD-FMK Not determined.
10.6 Sectio 11.1 11.1a 11.1b 11.1c 11.1d 11.1d 11.1e 11.1f 11.1g 11.1h	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity:	None under normal conditions. . 660-YVAD-FMK Not determined.
10.6 Sectio 11.1 11.1a 11.1b 11.1c 11.1d 11.1d 11.1e 11.1f 11.1g 11.1h	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure:	None under normal conditions. . 660-YVAD-FMK Not determined.
10.6 Sectio 11.1 11.1a 11.1b 11.1c 11.1d 11.1e 11.1f 11.1g 11.1h 11.1i 11.1j	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure:	None under normal conditions. . 660-YVAD-FMK Not determined.
10.6 Sectio 11.1 11.1a 11.1b 11.1c 11.1d 11.1d 11.1d 11.1e 11.1f 11.1g 11.1h 11.1j 11.1j	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard:	None under normal conditions. . 660-YVAD-FMK Not determined.
10.6 Sectio 11.1 11.1a 11.1b 11.1c 11.1d 11.1d 11.1e 11.1f 11.1g 11.1h 11.1j	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure	None under normal conditions. . 660-YVAD-FMK Not determined.
10.6 Sectio 11.1 11.1a 11.1b 11.1c 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1f 11.1g 11.1h 11.1j 11.1k 11.1l	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):	None under normal conditions. . 660-YVAD-FMK Not determined. May enter by skin and/or eye contact; inhalation of vapors/mist/dust.
10.6 Sectio 11.1 11.1a 11.1b 11.1c 11.1d 11.1f 11.1h 11.1j 11.1k 11.1l	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion:	None under normal conditions. . 660-YVAD-FMK Not determined. May enter by skin and/or eye contact; inhalation of vapors/mist/dust. May cause discomfort if swallowed.
10.6 Sectio 11.1 11.1a 11.1b 11.1c 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1f 11.1g 11.1h 11.1j 11.1k 11.1l	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):	None under normal conditions. . 660-YVAD-FMK Not determined. Nay enter by skin and/or eye contact; inhalation of vapors/mist/dust. May cause discomfort if swallowed. In high concentrations, dust may irritate throat and respiratory system
10.6 Sectio 11.1 11.1a 11.1b 11.1c 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1f 11.1f 11.1f 11.1f 11.1h 11.1k 11.1k 11.1m 11.1n	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion:	None under normal conditions. . 660-YVAD-FMK Not determined. Nay enter by skin and/or eye contact; inhalation of vapors/mist/dust. May cause discomfort if swallowed. In high concentrations, dust may irritate throat and respiratory system and cause coughing.
10.6 Sectio 11.1 11.1a 11.1b 11.1c 11.1d 11.1f 11.1h 11.1k 11.1k 11.1n 11.1n 11.1n	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Skin contact:	None under normal conditions. . 660-YVAD-FMK Not determined. Nay cause discomfort if swallowed. In high concentrations, dust may irritate throat and respiratory system and cause coughing. Dust may irritate skin.
10.6 Sectio 11.1 11.1a 11.1b 11.1c 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1f 11.1g 11.1h 11.1k 11.1k 11.1n 11.1n 11.1n 11.1n	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Skin contact: Eye contact:	None under normal conditions. . 660-YVAD-FMK Not determined. Nay cause discomfort if swallowed. In high concentrations, dust may irritate throat and respiratory system and cause coughing. Dust may irritate skin. Spray and dust in the eyes may cause irritation.
10.6 Sectio 11.1 11.1a 11.1b 11.1c 11.1d 11.1f 11.1h 11.1k 11.1k 11.1n 11.1n 11.1n	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Skin contact: Eye contact: Symptoms related to the physical, chemical and	None under normal conditions. . 660-YVAD-FMK Not determined. Nay cause discomfort if swallowed. In high concentrations, dust may irritate throat and respiratory system and cause coughing. Dust may irritate skin.
10.6 Sectio 11.1 11.1a 11.1b 11.1c 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1f 11.1g 11.1k 11.1k 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics:	None under normal conditions. . 660-YVAD-FMK Not determined. In high concentrations, dust may irritate throat and respiratory system and cause coughing. Dust may irritate skin. Spray and dust in the eyes may cause irritation. No specific symptoms noted.
10.6 Sectio 11.1 11.1a 11.1b 11.1c 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1f 11.1f 11.1f 11.1f 11.1k 11.1k 11.1n 11.1n 11.1n 11.1n	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic	None under normal conditions. . 660-YVAD-FMK Not determined. Nay cause discomfort if swallowed. In high concentrations, dust may irritate throat and respiratory system and cause coughing. Dust may irritate skin. Spray and dust in the eyes may cause irritation.
10.6 Sectio 11.1 11.1a 11.1b 11.1c 11.1d 11.1f 11.1g 11.1k 11.1n	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure:	None under normal conditions. . 660-YVAD-FMK Not determined. May cause discomfort if swallowed. In high concentrations, dust may irritate throat and respiratory system and cause coughing. Dust may irritate skin. Spray and dust in the eyes may cause irritation. No specific symptoms noted. Not determined. Not determined.
10.6 Sectio 11.1 11.1a 11.1b 11.1c 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1f 11.1g 11.1k 11.1k 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n 11.1n	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute	None under normal conditions. . 660-YVAD-FMK Not determined. In high concentrations, dust may irritate throat and respiratory system and cause coughing. Dust may irritate skin. Spray and dust in the eyes may cause irritation. No specific symptoms noted.
10.6 Sectio 11.1 11.1a 11.1b 11.1c 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1f 11.1g 11.1k 11.1k 11.1n	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute toxicity estimates):	None under normal conditions. 660-YVAD-FMK Not determined. May enter by skin and/or eye contact; inhalation of vapors/mist/dust. May cause discomfort if swallowed. In high concentrations, dust may irritate throat and respiratory system and cause coughing. Dust may irritate skin. Spray and dust in the eyes may cause irritation. No specific symptoms noted. Not determined. Not determined. Not determined. Not determined.
10.6 Sectio 11.1 11.1a 11.1b 11.1c 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1f 11.1g 11.1k 11.1k 11.1k 11.1n	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute toxicity estimates): Interactive effects:	None under normal conditions. 660-YVAD-FMK Not determined. May cause discomfort if swallowed. In high concentrations, dust may irritate throat and respiratory system and cause coughing. Dust may irritate skin. Spray and dust in the eyes may cause irritation. No specific symptoms noted. Not determined. Not de
10.6 Sectio 11.1 11.1a 11.1b 11.1c 11.1d 11.1f 11.1g 11.1k 11.1n	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute toxicity estimates): Interactive effects: Absence of specific data:	None under normal conditions. 660-YVAD-FMK Not determined. May cause discomfort if swallowed. In high concentrations, dust may irritate throat and respiratory system and cause coughing. Dust may irritate skin. Spray and dust in the eyes may cause irritation. No specific symptoms noted. Not determined. Not de
10.6 Sectio 11.1 11.1a 11.1b 11.1c 11.1d 11.1c 11.1d 11.1c 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1f 11.1g 11.1h 11.1k 11.1h 11.1n	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute toxicity estimates): Interactive effects: Absence of specific data: Mixtures:	None under normal conditions. 660-YVAD-FMK Not determined. May enter by skin and/or eye contact; inhalation of vapors/mist/dust. May cause discomfort if swallowed. In high concentrations, dust may irritate throat and respiratory system and cause coughing. Dust may irritate skin. Spray and dust in the eyes may cause irritation. No specific symptoms noted. Not determined. No
10.6 Sectio 11.1 11.1a 11.1b 11.1c 11.1d 11.1c 11.1d 11.1c 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1f 11.1g 11.1h 11.1k 11.1h 11.1n	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute toxicity estimates): Interactive effects: Absence of specific data: Mixtures: Mixtures:	None under normal conditions. 660-YVAD-FMK Not determined. May cause discomfort if swallowed. In high concentrations, dust may irritate throat and respiratory system and cause coughing. Dust may irritate skin. Spray and dust in the eyes may cause irritation. No specific symptoms noted. Not determined. Not de
10.6 Sectio 11.1 11.1a 11.1b 11.1c 11.1d 11.1c 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1f 11.1d 11.1f 11.1d 11.1d <td>Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute toxicity estimates): Interactive effects: Absence of specific data: Mixtures: Mixtures: Mixture vs. substance information: Classification by National Toxicity Program (NTP):</td> <td>None under normal conditions. 660-YVAD-FMK Not determined. May enter by skin and/or eye contact; inhalation of vapors/mist/dust. May cause discomfort if swallowed. In high concentrations, dust may irritate throat and respiratory system and cause coughing. Dust may irritate skin. Spray and dust in the eyes may cause irritation. No specific symptoms noted. Not determined. Not applicable. Not applicable. No</td>	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute toxicity estimates): Interactive effects: Absence of specific data: Mixtures: Mixtures: Mixture vs. substance information: Classification by National Toxicity Program (NTP):	None under normal conditions. 660-YVAD-FMK Not determined. May enter by skin and/or eye contact; inhalation of vapors/mist/dust. May cause discomfort if swallowed. In high concentrations, dust may irritate throat and respiratory system and cause coughing. Dust may irritate skin. Spray and dust in the eyes may cause irritation. No specific symptoms noted. Not determined. Not applicable. Not applicable. No
10.6 Sectio 11.1 11.1a 11.1b 11.1c 11.1d 11.1c 11.1d 11.1c 11.1d 11.1d 11.1d 11.1d 11.1d 11.1d 11.1f 11.1g 11.1h 11.1k 11.1h 11.1n	Hazardous decomposition products: n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation: Skin contact: Eye contact: Symptoms related to the physical, chemical and toxicological characteristics: Delayed and immediate effects as well as chronic effects from short and long term exposure: Numerical measures of toxicity (such as acute toxicity estimates): Interactive effects: Absence of specific data: Mixtures: Mixtures:	None under normal conditions. 660-YVAD-FMK Not determined. May cause discomfort if swallowed. In high concentrations, dust may irritate throat and respiratory system and cause coughing. Dust may irritate skin. Spray and dust in the eyes may cause irritation. No specific symptoms noted. Not determined. Not de

660-YVAD-FMK SDS; Doc# F17-6322-3-D; Effective: 09/26/2017; Supersedes: F17-6323-3-C; Page 5 of 6

11.1ab	Other information:	None.				
Thrab						
Sectior	Section 12: Ecological information					
12.1	Toxicity:					
12.1a	Name:	660-YVAD-FMK.				
12.1b	Ecotoxicity (aquatic and terrestrial, where available):	Not determined.				
12.2	Persistence and degradability:	There are no data on the degradability of this product.				
12.3	Bioaccumulative potential:	No data available on bioaccumulation.				
12.4	Mobility in soil:	No data available.				
12.5	Results of PBT and vPvB assessment:	Not determined.				
12.6	Other adverse effects:	No data available.				
	n 13: Disposal considerations	1				
13.1	Waste treatment methods:	When handling waste, consideration should be made to the safety				
40.4		precautions applying to handling of the product.				
13.1a	Description of waste residues and information on	Dispose of waste and residues in accordance with local authority				
	their safe handling and methods of disposal,	requirements. For the safety of persons conducting disposal, recycling				
	including the disposal of any contaminated	or reclamation activities, please refer to the information in Section 8				
	packaging:	(exposure controls and personal protection) of the SDS.				
Section	n 14: Transport information					
14.1	UN number:	Not applicable.				
14.2	UN proper shipping name:	Not applicable.				
14.3	Transport hazard class(es):	Not applicable.				
14.4	Packing group:	Not applicable.				
14.5	Environmental hazards:					
14.5a	Is it environmentally dangerous according to UN	No.				
	Model Regulations (IMDG Code, ADR, RID, and					
	ADN)?:					
14.5b	Is it a marine pollutant according to the IMDG	No.				
	code?:					
14.6	Special precautions for user:	None known.				
14.7	Transport in bulk according to Annex II of	Not applicable.				
4470	MARPOL and the IBC code:					
14.7a 14.7b	Other information: Classification for other modes of transport:	The product is not considered a dangerous good for transport. Contact supplier.				
14.70	Classification for other modes of transport.					
Section	n 15: Regulatory information					
15.1	Safety, health and environmental					
	regulations/legislation specific for the substance					
	or mixture:					
15.1a	Regional safety, health and environmental	None known.				
	regulations specific for the product in question:					
15.1b	USA SARA Components (such as 302/311/313):	Not listed.				
15.1c	USA Massachusetts Right to Know:	Not listed.				
15.1d	USA Pennsylvania Right to Know:	Not listed.				
15.1e	USA New Jersey Right to Know:	Not listed.				
15.1f	USA California Prop. 65 Components:	Not listed.				
15.1g	EU Regulation 1907/2006 {REACH}:					
15.1h	Annex XIV substances subject to authorization:	Not listed.				
15.1i	Substances of very high concern:	Not listed.				
15.1j	Approved code of practice:	Classification and labeling of substances and preparations dangerous				
		for supply. Safety data sheets for substances and preparations.				
15.1k	Guidance notes:	Workplace exposure limits EH40.				
15.1I	EU legislation references:	(EC) No. 1272/2008 on the classification, labelling and packaging of				
		substances and mixtures {CLP Regulation}. EC 830/2015. Regulation				
		(EC) No 1907/2006 of the European Parliament and of the Council of				
		18 December 2006 concerning the Registration, Evaluation,				
		Authorisation and Restriction of Chemicals (REACH), establishing a				
		European Chemicals Agency, amending Directive 1999/45/EC and				
		repealing Council Regulation (EEC) No 793/93 and Commission				
		Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC				
		and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.				
15.2	Chemical safety assessment:	Not required.				
15.2a	Other regulatory information:	Not required.				
10.2a						
Section 16: Other information						
16.1	Other information:	•				
16.1a	Date of revision:	09/26/2017				
16.1b	SDS number and revision:	F17-6322-3-D				

660-YVAD-FMK SDS; Doc# F17-6322-3-D; Effective: 09/26/2017; Supersedes: F17-6323-3-C; Page 6 of 6

16.1c	Supers	edes SDS number and revision:	F17-6323-3-C
16.1d		es made to the previous version of the SDS:	Reviewed and updated document control numbers; minor corrections.
16.1e	Key/leg	end to abbreviations and acronyms used in	ACGIH American Conference of Governmental Industrial Hygienists.
	the SD	S:	ADN European Provisions concerning the International Carriage of
			Dangerous Goods by Inland Waterway.
			ADR The European Agreement concerning the International Carriage
			of Dangerous Goods by Road.
			ATE Acute Toxicity Estimate.
			BCF Bio Concentration Factor.
			CAS Chemical Abstracts Service.
			CLP Classification, Labelling and Packaging.
			CMR Carcinogen, Mutagen or Reproductive toxicant.
			COD Chemical Oxygen Demand. EC European Commission.
			EC50 Half maximal effective concentration.
			EH40 Resource containing the list of workplace exposure limits for use
			with the Control of Substances Hazardous to Health Regulations.
			EINECS European Inventory of Existing Commercial chemical
			Substances.
			ELINCS European List of Notified Chemical Substances.
			EU European Union.
			GHS Globally Harmonized System of Classification and Labelling of
			Chemicals.
			H Statement GHS Hazard statement.
			IATA International Air Transport Association.
			IBC Intermediate Bulk Container.
			IC50 Half maximal inhibitory concentration.
			IMDG International Maritime Dangerous Goods.
			LC50 Median lethal concentration.
			LD50 Median lethal dose.
			LogPow logarithm of the octanol/water partition coefficient.
			MARPOL 73/78 International Convention for the Prevention of
			Pollution From Ships, 1973 as modified by the Protocol of 1978.
			OEL Occupational Exposure Limit.
			OSHA Occupational Safety and Health Administration (USA).
			PBT Persistent, Bioaccumulative, and Toxic.
			PEL Permissible Exposure Limit.
			RID The Regulations concerning the International Carriage of Dangerous Goods by Rail.
			SADT Self-Accelerating Decomposition Temperature.
			SARA Superfund Amendments and Reauthorization Act.
			SCBA Self-Contained Breathing Apparatus.
			SDS Safety Data Sheet.
			STOT Specific Target Organ Toxicity.
			STOT-RE Specific Target Organ Toxicity - Repeated Exposure.
			STOT-SE Specific Target Organ Toxicity - Single Exposure.
			UN United Nations.
			USA United States of America.
			vPvB very Persistent very bioaccumulative.
16.1f		t of hazard statements and/or precautionary ents not written out in full elsewhere:	All statements were written out in full.
DISCL	AIMER:	This information relates only to the speci	fic material designated and may not be valid for such material used
			or in any process. Such information is, to the best of the company's
			ble as of the date indicated. However, no warranty guarantee or
			liability, or completeness. It is the user's responsibility to satisfy
		himself as to the suitability of such inform	nation for his own particular use.
1		_	
		E	ND OF SDS

10X Cellular Wash Buffer SDS; Doc# F17-6164-2-D; Effective: 2017-05-19; Supersedes: F17-6164-2-C; Page 1 of 6

TECHNOLOGIES

SAFETY DATA SHEET (SDS) according to Regulation (EC) No. 830/2015 amending 1907/2006

Sectio	on 1: Identification of the substance/mixture and of th	e company/undertaking
1.1	Product identifier:	10X Cellular Wash Buffer
1.1a	Other means of identification:	
1.1b	Alternative product name(s)/ synonyms:	10X CWB, CWB, Cellular Wash Buffer
1.1c	Product number/Catalog #(s):	6164, 6165
1.1d	Internal identification:	10X CWB, CWB, Cellular Wash Buffer
1.2	Relevant identified uses of the substance or mixture and uses advised against:	For research use only. Not for use in diagnostic procedures.
1.2a	Brief description of what the substance or mixture is	A buffered diluent for use in research laboratory techniques.
	intended to do:	
1.3	Details of the supplier of the SDS:	
1.3a	Name:	ImmunoChemistry Technologies, LLC (ICT)
1.3b	Address:	9401 James Avenue South, Suite 155
1.3c	City, State, Zip, Country	Bloomington, MN 55431-2500 USA
1.3d	Phone number:	1-800-829-3194 and 952-888-8788
1.3e	Fax number:	952-888-8988
1.3f	Website:	www.immunochemistry.com help@immunochemistry.com
1.3g 1.3h	Email: Contact person at ICT:	Quality Documentation Department
1.4	Emergency telephone number:	ICT: 1-800-829-3194 (USA & Canada) or 952-888-8788 world wide;
1.4	Emergency telephone number.	ICT hours are 9 am-5 pm central time USA, Monday through Friday
		(excluding holidays). Chemtrec 24-hour access within USA and
		Canada: 1-800-424-9300 or +1 703-527-3887. Collect calls accepted.
•		
Section 2.1	n 2: Hazards identification Classification of the substance or mixture:	
2.1a	Product is a:	Mixture.
2.1a 2.1b	Classification according to (EC) No. 1272/2008	Does not meet the criteria for classification.
2.10	{CLP}:	
2.1c	The most important adverse physiochemical, human	Prolonged skin contact may cause redness and irritation. Refer to
	health, and environmental effects:	Sections 4, 9-12.
2.2	Label elements:	None.
2.2a	GHS label elements, including precautionary	
	statements:	
2.2b	Contains:	Contains ≤0.1% sodium azide.
2.2c	Labeling in accordance with (EC) No. 1272/2008:	News
2.2d	Hazard Pictograms (Hazard Symbols): Signal word:	None.
2.2e 2.2f	Hazard statements:	None. None.
2.21 2.2g	Precautionary statements:	None.
2.2y 2.2h	Supplementary precaution statements:	None.
2.211	Other hazards:	No additional information available.
2.3a	Does the chemical meet the criteria for PBT or vPvB?	Not applicable.
2.3b	Other hazards which do not result in classification:	Contains sodium azide (NaN ₃ , CAS #26628-22-8; EC #247-852-1) at
		\leq 0.1%, sodium chloride (NaCl, salt), and phosphates which are below
		the threshold for hazard classification, but may cause redness and
		irritation after prolonged exposure.
Sectio	n 3: Composition/information on ingradiants	
3.1	on 3: Composition/information on ingredients Substance:	Item is a mixture therefore Section 3.1 is not applicable; see Section
		3.2.
3.2	Mixture:	Item is a mixture.
	The chemical identity and concentration or	
	concentration ranges of all ingredients which are	
	hazardous and are present above their cut-off levels:	No is an director interation of the second state of the first second state of the seco
2.0.	3.2a Chemical identity:	No ingredients identified for reporting in this section.
3.2u	Other information on the mixture:	None.
Sectio	on 4: First aid measures	
4.1	Description of first aid measures:	If concerned, get medical attention/advice and provide physician with
	Description of first aid measures:	If concerned, get medical attention/advice and provide physician with SDS information. Wash contaminated clothing before re-use. Never

10X Cellular Wash Buffer SDS; Doc# F17-6164-2-D; Effective: 2017-05-19; Supersedes: F17-6164-2-C; Page 2 of 6

4.1a Inhalation: Remove to fesh air and keep at test in a comfortable position for breaking, give artificial regimention. Rrive nose and meakh with water. Get medical attention if any discomfort conditiues. 4.1b Skin contact: Worthurd, Get medical attention if any discomfort conditiues. 4.1c Eye contact: Worthurd to on support list 15 minutes. Both medical attention if any discomfort continues. 4.1c Eye contact: Promptly wash eyes with plenty of water while lifting the eyels before results. Make support continues. 4.1d Ingestion: Promptly wash eyes with plenty of water while lifting the eyels before results. Make support continues. 4.1d Ingestion: Promptly wash eyes with plenty of water while lifting the eyels before results. 4.2d Most important symptoms and effects, both accut Continues to raise for all bassification. but may cause redness and mild initiation. 4.2d Indiation: May cause discomfort continues. 4.2d Indiation: May cause discomfort if swallowed. 4.2d Indiation: May cause infortant symptomes and effects, both accut 4.2d Indiation: May cause discomfort if swallowed. 4.2d Indiation: May cause infortant and maxes redness and mild initiation. 4.2d Indidiation: May cause discomfort if swallo		<u>10X Cellular Wash Buffer SDS; Doc# F17-6164-2-D; E</u>	ffective: 2017-05-19; Supersedes: F17-6164-2-C; Page 2 of 6
mouth with water. Get medical attention if any disconfort continues. 4.1b Skin contact: Wash skin thoroughly with scap and water for several minutes. Containnated coffing and shoes and wash thoroughly before reuse. Get medical attention if any disconfort continues. 4.1c Eye contact: Promoty disconfort continues. 4.1c Eye contact: Promoty disconfort continues. 4.1d Ingestion: NEVER NAKE AN UNCONSCIOUS PERSON VOM TO DRINK 4.1d Ingestion: NEVER NAKE AN UNCONSCIOUS PERSON VOM TO DRINK 4.1d Ingestion: NEVER NAKE AN UNCONSCIOUS PERSON VOM TO DRINK 4.1d Ingestion: NEVER NAKE AN UNCONSCIOUS PERSON VOM TO DRINK 4.2a Most important symptoms and effects, both acute Contains sodium azide, sodium. Out may cause redness and mild irritation. 4.2a Installor May cause coupling or mild irritation. 426 4.2a Installor May cause disconfort if washawed. 116 washawed. 4.2a Installor of any immediate medical attention and subsect. Nay cause disconfort if washawed. 4.2a Installor on a immediate medical attention if any disconfort on importion. 116 washawed. 4.2a Installor of any immediate medical attenti	4.1a	Inhalation:	Remove to fresh air and keep at rest in a comfortable position for
mouth with water. Get medical attention if any disconfort continues. 4.1b Skin contact: Wash skin thoroughly with scap and water for several minutes. Containnated coffing and shoes and wash thoroughly before reuse. Get medical attention if any disconfort continues. 4.1c Eye contact: Promoty disconfort continues. 4.1c Eye contact: Promoty disconfort continues. 4.1d Ingestion: NEVER NAKE AN UNCONSCIOUS PERSON VOM TO DRINK 4.1d Ingestion: NEVER NAKE AN UNCONSCIOUS PERSON VOM TO DRINK 4.1d Ingestion: NEVER NAKE AN UNCONSCIOUS PERSON VOM TO DRINK 4.1d Ingestion: NEVER NAKE AN UNCONSCIOUS PERSON VOM TO DRINK 4.2a Most important symptoms and effects, both acute Contains sodium azide, sodium. Out may cause redness and mild irritation. 4.2a Installor May cause coupling or mild irritation. 426 4.2a Installor May cause disconfort if washawed. 116 washawed. 4.2a Installor of any immediate medical attention and subsect. Nay cause disconfort if washawed. 4.2a Installor on a immediate medical attention if any disconfort on importion. 116 washawed. 4.2a Installor of any immediate medical attenti			breathing. If not breathing, give artificial respiration. Rinse nose and
4.1b Skin contact: Wash skin throughly with scap and water for several munices; continue for rarse for at least 15 munutes. Remove any contaminated dothing and shoes and wash thoroughly before reuse. Get medical attention far y desormfor continues. 4.1c Eye contact: Promply wash eyes with plent/of water while lifting the eyeside. Make sure to remove any contaminated discortific for moles and contact lenses from thurles. Call medical attention f any desormfor continues. 4.1d Ingestion: NEVEX MAKE AN UNCONSCIOUS PERSON VOMIT OF DRINK ELUIDSI Rinse mouth thoroughly, Do not induce vomiting without advice from please, control centre or medical professional. Get medical attention f any desormfort continues. 4.2a Most important symptoms and effects, both acute and delayed: May cause coupling or mid intation. 4.2a Indiation: May cause coupling or mid intation. 4.2a Indiation: May cause coupling or mid intation. 4.2a Indiation: May cause coupling or mid intation. 4.2a Indiation of any immediate medical attention and properiod. May cause coupsort. 4.3 Indication of any immediate medical attention and properiod. May cause coupsort. 4.3 Indication of any immediate medical attention properiod. May cause coupsort. 4.3 Indication of any immediate medical attention and properiod. May cause coupsort. 5.4 <td></td> <td></td> <td></td>			
a. 10 continue to rinse for at least 15 minutes. Remove any contaminated clothing and shoes and wash thronghly before reuse. Cell medical attention if any disconfort continues. 4.10 Eye contact: Promptly wash yees with plenty of water while lifting the eyelds. Make sure to remove any contact lones its form the cyse before rinsing. Control to the control clother rinsing. Control to the control clother control of any disconfort continues. 4.11 Ingestion: PLEVER MAKE AN UNCONSCIOUS PERSON VOIT OR DRINK FLUUDS Rinse mount throughly. Do not induce vorniting without advice from poison control center or medical professional. Get medical attention if any disconfort continues. 4.22 Most important symptoms and effects, both actue and telayed: Contains sodium azide, sodium active, sodium active, and phashase which are beload setting or medi intalison. 4.23 Invalation: Invalation: May cause temporary eye intaliation. 4.24 Ingestion: May cause temporary eye intaliation. May cause disconfort if swallowed. 4.33 Indication of any immediate medical attention and hyo cause disconfort if swallowed. No specific first aid measures noted, but first aid may still be required in a day special trastant exposure. Interval symptomaticality. Refer to Sections 5-8 for advice on personal production or dusice. 5.14 Subtiable extinguishing media: The symptomatical the surrounding materials. 5.15 Unsubtiable extinguishing media:	4 1b	Skin contact:	
clothing and shoes and wash thoroughly before reuse. Get medical attention if any discondru continues. 4.10 Eye contact: Promptly wash eyes with plently of water while lifting the eyelids. Make sure to renow any contact lenses from the eyes before rining. Continue to rinse for at least 15 minutes. Get medical attention if any discondruic continues. 4.10 Ingestion: Promptly wash eyes with plently of water while lifting the eyelids. Make sure for encove any contact lenses from the eyes before rining. Continue to rinse for at least 15 minutes. Get medical attention if any discondruic control control medical professional. Get medical attention at any discondruic control control medical professional. Get medical attention and the super lifting medical attention. 4.2 Most important symptoms and effects, both acure and dalayed: Inhalation: May cause coughing or mild irritation. 4.2.1 Inhalation: May cause coughing or mild irritation. May cause enderson in ritation. 4.2.2 Inhalation: May cause coughing or mild irritation. May cause discondruic may cause referess and mild irritation. 4.2.3 Notes to physician/first responder: This product is not flammable. Valid first addition, or ingestion of this product. If in doubt, og medical attention prophile. 5.1 Suitable exclinguishing media: This product is not flammable. Use fire-exclinguishing media 5.1 Suitable exclinguishing media: This product is not			
attention if any discontoric continues. 4.10 Eye contact: Promptly wask yeav with plenty of water while lifting the eyelids. Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for atleast 15 minutes. Get medical attention if any discontrol continues. 4.1d Ingestion: PFCPE MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS Rimse mouth thoroughly. Do not induce vorting without attention if any discontrol continues. 4.2 Most important symptoms and effects, both acute and delayed: Contains software development and in the prolonged exposure. 4.2.a Inhalation: May cause discontrol for maxer dessification, but may cause releass and irritation after prolonged exposure. 4.2.b Skin contact: Prolonged skin contact may cause recellents. 4.2.a Inhalation: May cause discontrol if swallowed. 4.3 Indication of any immediate medical attention and special treatment needod: In obscin first all maxesures noted, but first ald may still be required in case of accidential exposure, inhalation, or ingestion of his product. 5.1 Extinguishing media: This product is not flammable. Use fire-extinguishing media appropriate for the surrounding materials. 5.1.a Suitable extinguishing media: None known. 5.2 Hazardous combustion products: None known.			
4.10 Eye contact: Promptly wash eyes with plenty of water while iffing the eyelids. Make sure to renow any contract lenses from the eyes before rining. Continue to rinse for at least 15 minutes. Get medical attention if any discontrot continues. 4.10 Ingestion: NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS Rinse mount through; Do not induce wornting without advice from poison cortiol center or medical professional. Get medical attention if any discontrat continues. 4.21 Most important symptoms and effects, both acute and delayed: Contains some mazie, search disclification, but may cause redness and mild inflation. 4.22. Inhalation: May cause coughing or mild inflation. May cause coughing or mild inflation. 4.23. No sontact: Prolonged skin contact may cause redness and mild inflation. 4.24. Ingestion: May cause discontific at mag cause redness and mild inflation. 4.26. No sontact: Prolonged skin contact may cause redness and mild inflation. 4.27. Indication of any immediate medical attention ad prolonged exposure. No specific first aid measures noted, but first aid may still be required in doubt, get medical attention promptivit 4.38. Notes to physician/first responder: This product is not finamable. Use fire-extinguishing media appropriate or fire any ponder. Treat symptomilation: of use 5.1 Extinguishing media: This product is not finamable. Use f			
4.1d Ingestion: Even to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes. Get medical attendion if any discontrol conter or medical professional. Get medical advice from poison control center or medical professional. Get medical advice from poison control center or medical professional. Get medical advice from poison control center or medical professional. Get medical advice from poison control center or medical professional. Get medical advice from poison control center or medical professional. Get medical advice from poison control center or medical professional. Get medical advice from poison control center or medical professional. Get medical advice from poison control center or medical professional. Get medical advice from poison control center or medical professional. Get medical advice from poison control center or medical professional. Get medical advice from poison control center or medical professional. Get medical advice from poison control center or medical profession of this product. If in doubt, get medical attention profession of this product. If in doubt, get medical attention profession of this product. If in doubt, get medical attention profession of this product. If in doubt, get medical attention profession of this product. If in doubt, get medical attention profession of this product. If in doubt, get medical attention profession of this product. If in doubt, get medical attention product is not explosive. No dangerous reactions know under normal conditions of use. Section 5: Firefighting media: None known. Section 5: Advice for infregitters: None known. Section 5: Advice for infregitters from the substance or mixture: Size Protective measures in fire: Advice for infregitters: Display in the desting infregitters: Display infregitters: Display infregitters: Display infregitters: Display infregitters: Display infregitters: Display infreginters: Display infreginters: Display infreginterese	4.4.5	Fue contact:	Alternion il any discomort continues.
Continue to rinse for at least 15 minutes. Cert medical attention if any discomfort continues. 4.1d Ingestion: NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUDIST Rinse mouth throughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if any discomfort continues. 4.2 Most important symptoms and effects, both acut and delayed: Contains socium azde, socium chioride, and phosphates which are below the threshold for hazzrd castification, but may cause redoness and imfast after protomated and infast after protomated may causes incomfort if svalues redoness and imfast after protomotient is available to reduce the standard of the surd castification, but may cause redoness and imfast after protomotient is available to reduce the surger of the surger of the surger in dicuts, get medical attention and special treatment needed: 4.3 Indication of any immediate medical attention and special treatment needed: No specific first aid measures noted, but first any still be required in case of accidental exposure, inhalation, or ingestion of this product. If in doubt, get medical attention promptly! 5.1 Extinguishing media: That sprotarial suppropriate for surger of uses. 5.1 Extinguishing media: Note stop hysician/first responder: 5.2 Hazardons combustion products: None under normal conditions of use. 5.2 Surger for the substance or this product is not flammable. Product is not exposive. No dangerous appropriate for surrounding materials. 5.	4.1C	Eye contact:	
discomfort continues. idiscontro continues. 4.1d Ingestion: NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS finise mouth throughly. Do not inclored, and prosphates which are baddee from poison control center or medical professional. Get medical attention if any discontrol continues. 4.2 Most important symptoms and effects, both acute and delayed: Contains sodium acide, sodium Choirde, and phosphates which are below the threshold for hazard classification, but may cause redness and initiation affer prolonged exposure. 4.2a Inhalation: May cause beingorary eye initiation. 4.2b Skin contact: Prolonged skin contact may cause redness and mild irritation. 4.2c Ingestion of any immediate medical attention and special treatment needed: May cause beingorary eye initiation. 4.3a Indication of any immediate medical attention and special treatment needed: Treat symptomatically. Refer to Sections 5-8 for advice on personal prolective equipment. 5.1a Suitable extinguishing media: This product is not flammable. Use fire-extinguishing media appropriate for the surrounding materials. 5.2b Unsuss life e 4 xplosion hazards; None known. None known. 5.2c Protective equipment and precautions for mixture: None under normal conditions. 5.2a Advice for finefighting mocedures: None known.			
4.1d Ingestion: NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDIST Rinse mouth throughly to not induce vomiting without advice from poison control center or medical professional. Get medical attention if any disconfrar continues. 4.2 Most important symptoms and effects, both acu and delayed: Contains sodium azide, sodium chiorke, and phosphates which are below the threshold for hazard classification, but may cause redness and irritation after prolonged exposure. 4.2a Ishalation: May cause compare yea irritation. 4.2b Eve contact: Prolonged skin contact may cause redness and mild irritation. 4.2c Eve contact: May cause elemporary age irritation. 4.31 Indication of any immediate medical attention and special treatment needed: Tit in doubt, get medical attention promptly. 4.3a Notes to physician/first responder: This product is not fammable. Use fire extinguishing media 5.1 Extinguishing media: This product is not fammable. Product is not explosive. No dangerous reactions known under normal conditions of use. 5.1 Subjected first add mesures None forwards. None under normal conditions of use. 5.2 Unsultation products: None inforwards. None inforwards. None inforwards. 5.1 Extinguishing media: This product is not expl			
FLUIDS! Rise mouth throughly. Do not induce womting without addres from poison control centre or medical professional. Get medical attention if any discomfort continues. 4.2 Most important symptoms and effects, both acute and delayed: Contains sodium acide, sodium choide, and phosphates which are below the threshold for hazard classification, but may cause redness and mild irritation. 4.2a Inhiaiton: May cause couging or mild irritation. 4.2a Inhiaiton: May cause deconder may cause redness and mild irritation. 4.2a Inhiaiton: May cause deconder may cause redness and mild irritation. 4.2a Inhiaiton: May cause deconder medical attention and y cause deconder may cause redness and mild irritation. 4.3a Indication of any immediate medical attention any cause deconder first aid measures noted, but first aid may still be required in rease of accident exposure. Trade attention prompily 4.3a Notes to physician/first responder: Trade attention prompily Refer to Section 5-8 for advice on personal proporties for the surrounding media. 5.1a Suitable exinguishing media: Water spray, foam, dry powder, or carbon dixide. 5.2a Hazardous combustion products: None known. 5.2a Special fire deploy on hazards: None under normal conditions. 5.2b Special fir			
advice from poison control center or medical professional. Get medical attention if any disconfrot continues. 4.2e medical attention if any disconfrot continues. 4.2. Inhalation: May cause coupling or mild initiation. 4.2. Inhalation: May cause coupling or mild initiation. 4.2. Skin contact. Prolonged exposure. 4.2. Inhalation: May cause disconfrot if swallowed and initiation after prolonged exposure. 4.2. Indication of any immediate medical attention and special treatment needed: May cause disconfrot if swallowed. 4.3. Indication of any immediate medical attention and special treatment needed: May cause disconfrot if swallowed. 4.3. Indication of any immediate medical attention promptly Treat symptomatically. Refer to Sections 5-8 for advice on personal protective equipment. 5.4. Extinguishing media: This product is not fammable. Use fire-extinguishing media appropriate for the surrounding materials. 5.1. Extinguishing media: More upport, Nam. dry powder, or carbon dioxide. 5.1. Subtable extinguishing media: More sport, Nam. dry powder, or carbon dioxide. 5.1. Subtable extinguishing media: More sportective extinguishing media: 5.2. Hatadia scription hava distable	4.1d	Ingestion:	NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK
4.2 Most important symptoms and effects, both acute and delayed: and delayed: and delayed: and delayed: and delayed: and delayed: and delayed: and initiation after prolonged skin contact may cause redness and initiation. May cause coughing or mild irritation. 4.20. Skin contact: Prolonged skin contact may cause redness and mild irritation. 4.20. Skin contact: May cause discortion if swallowed. A.3 Indication of any immediate medical attention and specific first aid measures noted, but first aid may still be required way cause idential exposure, inhalation, or ingestion of this product. If in doubt, get medical attention promptlyl Treat symptomatically. Refer to Sections 5.4 for advice on personal protective equipment. Socien 5: Firefighting measures 5:1 Extinguishing media: This product is not flammable. Use fire-extinguishing media: appropriate for the surrounding materials. 5:2 Special hazards arising from the substance or maximum is appropriate for the surrounding materials. 5:2 Ariazardous combustion products: None under normal conditions of use. Sing dual fire 4 explosion hazards: None under normal conditions of use. Singe al firefighters: Nos specific firefighters: None under normal conditions. Special firefighters: Nos specific firefighters: Nos specific firefighters: Nos specific firefighters: <			FLUIDS! Rinse mouth thoroughly. Do not induce vomiting without
4.2 Most important symptoms and effects, both acute and delayed: and delayed: and delayed: and delayed: and delayed: and delayed: and delayed: and initiation after prolonged skin contact may cause redness and initiation. May cause coughing or mild irritation. 4.20. Skin contact: Prolonged skin contact may cause redness and mild irritation. 4.20. Skin contact: May cause discortion if swallowed. A.3 Indication of any immediate medical attention and specific first aid measures noted, but first aid may still be required way cause idential exposure, inhalation, or ingestion of this product. If in doubt, get medical attention promptlyl Treat symptomatically. Refer to Sections 5.4 for advice on personal protective equipment. Socien 5: Firefighting measures 5:1 Extinguishing media: This product is not flammable. Use fire-extinguishing media: appropriate for the surrounding materials. 5:2 Special hazards arising from the substance or maximum is appropriate for the surrounding materials. 5:2 Ariazardous combustion products: None under normal conditions of use. Sing dual fire 4 explosion hazards: None under normal conditions of use. Singe al firefighters: Nos specific firefighters: None under normal conditions. Special firefighters: Nos specific firefighters: Nos specific firefighters: Nos specific firefighters: <			advice from poison control center or medical professional. Get medical
4.2 Most important symptoms and effects, both acute and delayed: Contains sodium acide, sodium chioride, and phosphates which are below the threshold for hazard classification, but may cause redness and irritation after prolonged exposure. 4.2a Inhalation: May cause couping or mild irritation. 4.2b Skin contact: Prolonged skin contact may cause redness and mild irritation. 4.2c Eye contact: May cause couping or mild irritation. 4.2d Inhaliton of any immediate medical attention and special treatment needed: May cause discombort if swallowed. 4.3 Indication of any immediate medical attention and special treatment needed: The sponduct is not flammable. Use fire-extinguishing media appropriate for the surrounding materials. 5.1 Suitable extinguishing media: Water spray, foam, dry powder, or carbon dioxide. 5.10 Unsultable extinguishing media: None known. 5.20 Special frazards arising from the substance or mixture: This product is not flammable. Product is not explosive. No dangerous reactions known under normal conditions. 5.3.3 Advice for firefighters: Nore under normal conditions. 5.3.4 Advice for firefighters: No specific firefighting nocular. 5.3.3 Special protective equipment appropriate for surrounding materials. </td <td></td> <td></td> <td></td>			
and delayed: below the threshold for hazard classification, but may cause redness and irritation and irritation and irritation. 4.2b Skin contact: Prolonged skin contact may cause redness and mild irritation. 4.2c Skin contact: Prolonged skin contact may cause redness and mild irritation. 4.2c Skin contact: Prolonged skin contact may cause redness and mild irritation. 4.2c Ingestion: May cause demosary inhalation, or ingestion of this product. If in doubt, get medical attention promptly! 4.3a Indication of any immediat attention and special treatment needed: No specific first aid mesures inhalation, or ingestion of this product If in doubt, get medical attention promptly! 5.1 Suitable extinguishing media: This product is not flammable. Use fire-extinguishing media: appropriate for the surrounding materials. 5.1 Unauitable extinguishing media: None known. 5.2 Hazardous combustion products: None known under normal conditions of use. 5.2 Hazardous for firsfightners: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. 5.3 Advice for firsfightners: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. 5.3 Special protective equipment and precautions for fi	4.2	Most important symptoms and effects, both acute	
and initiation after prolonged exposure. 4.2a Inhalation: 4.2b Skin contact: 4.2c Eye contact: 4.26 Eye contact: 4.27 Indication of any immediate medical attention and special treatment needed: 4.3 Indication of any immediate medical attention and special treatment needed: 4.3 Noles to physician/first responder: 7 Treat symptomatically. Refer to Sections 5-8 for advice on personal profession of the surrounding materials. 5.1 Extinguishing media: Water spray, feam, dry powder, or carbon dioxide. 5.1 Suitable extinguishing media: Water spray, feam, dry powder, or carbon dioxide. 5.10 Insultable extinguishing media: None known. 5.20 Special frazards arising from the substance or mation sources. No smoking. This product is not flammable. Product is not explosive. No dangerous freedown under normal conditions of use. 5.3 Advice for firefighters: Nore under normal conditions. 5.4 Advice for firefighters: No specific friefighting procedures given. 5.3 Special protective equipment appropriate for surrounding materials. 5.4 Advice for firefighters:			
4.2a Inhalation: May cause coughing or mild irritation. 4.2b Skin contact may cause redness and mild irritation. 4.2c Indication of any immediate medical attention and special treatment needed: May cause discontori if wallowed. 4.3a Indication of any immediate medical attention and special treatment needed: May cause discontori if wallowed. 4.3a Notes to physician/first responder: Treat sympometrically. Refer to Sections 5-8 for advice on personal protective equipment. 5.1 Extinguishing media: This product is not flammable. Use fire-extinguishing media appropriate for the surrounding materials. 5.1 Special heards arising from the substance or mixture: This product is not flammable. Use fire-extinguishing media: 5.1 Suitable extinguishing media: Nore known. 5.2 May cause extinguishing media: Nore known. 5.3 Advice for firefighting procedures: No unusat fire a explosion hazards: 5.4 Usual fire & explosion hazards: No unusat fire a explosion hazards: 5.3 Advice for firefighting procedures: No specific firefighting procedure given 5.3 Advice for firefighting procedures: No specific firefighting procedure given 5.3 Advice for firefighting procedures: No s		and delayed.	
4.2b Skin contact: Prolonged skin contact may cause redness and mild irritation. 4.2c Eye contact: May cause temporary ever irritation. 4.2c Eye contact: May cause temporary ever irritation. 4.31 Indication of any immediate medical attention and special treatment needed: No specific first aid masures noted, but first aid may still be required in case of accidental exposure, inhalation, or ingestion of this product. If in doubt, get medical attention promptly 4.33 Notes to physician/first responder: Treat symptomatically. Refer to Sections 5-8 for advice on personal propriate for the surrounding materials. 5.1 Extinguishing media: This product is not flammable. Use fire-extinguishing media apporpriate for the surrounding materials. 5.10 Unsuitable extinguishing media: This product is not flammable. Product is not explosive. No dangerous reactions known under normal conditions of use. 5.21 Bazzards arising from the substance or mixture: None under normal conditions. 5.22 Protective measures in fire: Use protective equipment appropriate for surrounding materials. 5.32 Special protegrup metal and precautions for firefighters: No specific firefighting procedure se, sparks, open flames and other ignition sources. No smoking. 5.33 Special protective equipment and precautions for firefighters:	4.0-		
4.20 Ingestion: May cause temporary eye initiation. 4.30 Ingestion: May cause discontrol it swallowed. 4.31 Indication of any immediate medical attention and special treatment needed: Nay cause discontrol it swallowed. 4.32 Ingestion: May cause discontrol it swallowed. 4.33 Notes to physician/first responder: Treat symptomatically. Refer to Sections 5-8 for advice on personal protective equipment. 5.41 Extinguishing media: This product is not flammable. Use fire-extinguishing media: appropriate for the surrounding materials. 5.10 Insulable extinguishing media: Water sprax, foam, dry powder, or carbon dixide. 5.22 Special hazards arising from the substance or mixture: This product is not flammable. Product is not replosive. No dangerous reactions known under normal conditions. 5.24 Hazardous combustion products: None under normal conditions. Moe specific firefighting procedures: 5.33 Special free/ghting procedures: No specific firefighting procedures: No specific firefighting procedure given. 5.34 Special protective equipment and precautions for firefighters. No specific firefighting procedures: No specific firefighting procedures: 6.1 Personal precautions, protective equipment and emergency procedures: No specific fi			
4.2d Ingestion: May cause discontorit if svalloved. 4.3 Indication of any immediate medical attention and special troatment needed: No specific first aid masy still be required in case of accidental exposure, inhalation, or ingestion of this product. If in doub, get medical attention promptly! 4.3a Notes to physician/first responder: Treat symptomatically. Refer to Sections 5-8 for advice on personal protective equipment. Section 5: Firefighting measures This product is not flammable. Use fire-extinguishing media: appropriate for the surrounding materials. 5.1 Extinguishing media: This product is not flammable. Use fire-extinguishing media: appropriate for the surrounding materials. 5.1 Suitable extinguishing media: This product is not flammable. Product is not explosive. No dangerous mature: 2.2 Reading hazerds arising from the substance or mixture: This product is not flammable. Product is not explosive. No dangerous mature: 5.2.0 Hazards arising from the substance or mixture: No ne under normal conditions of use. 5.2.1 Hazards arising from the substance or mixture: No specific firefighting procedure (ginton sources. No smoking. 5.3.2 Dunusual fire 4 explosion hazards: No unusual fire or explosion hazards noted. 5.3.3 Special protective measures in fire: Use protective equipment angp			
4.3 Indication of any immediate medical attention and special treatmen needed: In os specific first aid measures noted, but first aid may still be required in case of acidental exposure, inhalation, or ingestion of this product. If in doubt, get medical attention promptly! 4.3a Notes to physician/first responder: Triest symptomatically. Refer to Sections 5-8 for advice on personal protective equipment. Section 5: Firefighting measures This product is not flammable. Use fire-extinguishing media appropriate for the surrounding materials. 5.1a Suitable extinguishing media: Water spray, foam, dry powder, or carbon dioxide. 5.1b Unsultable extinguishing media: None known. 5.2b Special hazards arising from the substance or mixture: None known. 5.2b Unsultable extinguishing media: None under normal conditions. 5.2b Unsult fre & explosion hazards: No ne under normal conditions. 5.2b Unsult fre & explosion hazards: No unsult fre or explosion hazards noted. 5.3a Special protective equipment and precautions for lirefighters: No specific freighting procedure given. 5.3b Special protective equipment and precautions for lirefighters: No specific freighting procedure given. 6.1 Personal precautions, protective equipment, and emergency procedures: </td <td></td> <td></td> <td></td>			
special treatment needed: in case of accidental exposure, inhalation, or ingestion of this product. If in doubt, get medical attention promptlyl 4.3a Notes to physician/first responder: Treat symptomatically. Refer to Sections 5-8 for advice on personal protective equipment. Section 5: Firefighting measures This product is not flammable. Use fire-extinguishing media: appropriate for the surrounding materials. 5.1 Extinguishing media: None known. 5.2 Special hazards arising from the substance or mixture: This product is not flammable. Product is not explosive. No dangerous reactions known under normal conditions. 5.2 Hezardous combustion products: None known. 5.3 Advice for firefighters: Use protective equipment appropriate for surrounding materials. 5.3 Advice for firefighters: No unusual fire or explosion hazards; noted. 5.3 Special protective equipment and procedures; Protective equipment and precautions for firefighters: No specific firefighting procedure given. 5.1 Extinguise measures In order protective equipment and other ignition sources. No smoking. 6.1a General release measures Use protective equipment appropriate for surrounding materials. 6.1a General release measures: No specific emergency measures are required other than	4.2d		May cause discomfort if swallowed.
special treatment needed: in case of accidental exposure, inhalation, or ingestion of this product. If in doubt, get medical attention promptlyl 4.3a Notes to physician/first responder: Treat symptomatically. Refer to Sections 5-8 for advice on personal protective equipment. Section 5: Firefighting measures This product is not flammable. Use fire-extinguishing media: appropriate for the surrounding materials. 5.1 Extinguishing media: None known. 5.2 Special hazards arising from the substance or mixture: This product is not flammable. Product is not explosive. No dangerous reactions known under normal conditions. 5.2 Hezardous combustion products: None known. 5.3 Advice for firefighters: Use protective equipment appropriate for surrounding materials. 5.3 Advice for firefighters: No unusual fire or explosion hazards; noted. 5.3 Special protective equipment and procedures; Protective equipment and precautions for firefighters: No specific firefighting procedure given. 5.1 Extinguise measures In order protective equipment and other ignition sources. No smoking. 6.1a General release measures Use protective equipment appropriate for surrounding materials. 6.1a General release measures: No specific emergency measures are required other than	4.3	Indication of any immediate medical attention and	No specific first aid measures noted, but first aid may still be required
If in doubt, get medical attention promptly! 4.3a Notes to physician/first responder: Treat symptomatically. Refer to Sections 5-8 for advice on personal protective equipment. Section 5: Firefighting measures This product is not flammable. Use fire-extinguishing media appropriate for the surrounding materials. 5.1a Suitable extinguishing media: This product is not flammable. Use fire-extinguishing media: 5.1b Unsuitable extinguishing media: Water spray, foarm, dry powder, or carbon dioxide. 5.2b Special hazards arising from the substance or mixture: None known. 5.2b Unsultable extinguishing media: None under normal conditions. 5.2b Unsultable fire & explosion hazards: No nor under normal conditions. 5.2b Unsultablifier & explosion hazards: No nore under normal conditions, open flames and other ignition sources. No smoking. 5.3 Advice for firefighters: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. 5.3a Special protective equipment and precautions for firefighters: No specific firefighting no sources. No smoking. 5.4 Personal precautions, protective equipment, and emergency procedures: No specific emergency measures are required other than good laboratory hygiene and safety practices for small splits. We			
4.3a Notes to physician/first responder: Treat symptomatically. Refer to Sections 5-8 for advice on personal protective equipment. Section 5: Firefighting measures This product is not flammable. Use fire-extinguishing media: appropriate for the surrounding materials. 5.1 Extinguishing media: Water spray, Toam, dry powder, or carbon dioxide. 5.1 Unsuitable extinguishing media: None known. 5.2 Special hazards arising from the substance or mixture: This product is not flammable. Product is not explosive. No dangerous reactions known under normal conditions of use. 5.2a Hazardous combustion products: None known. 5.2b Unusual fire & explosion hazards: No unusual fire or explosion hazards noted. 5.2c Protective measures in fire: Use protective equipment appropriate for surrounding materials. 5.3a Special firefighting procedures: No specific firefighting procedure given. 5.3a Special protective equipment and precautions for firefighting procedure given. Vear fuil protective clohing, including self-contained breathing apparents, finecessary. The product presents no special fire fazards in normal use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. 6.1a General release measures Use protective equipment appropriate for surrounding materials. 6.1b Advice			
Section 5: Firefighting measures 5.1 Extinguishing media: This product is not flammable. Use fire-extinguishing media appropriate for the surrounding materials. 5.1a Suitable extinguishing media: Water spray, foam, dry powder, or carbon dioxide. 5.1a Special hazards arising from the substance or mixture: None known. 5.2a Hazardous combustion products: None under normal conditions of use. 5.2b Unusual fire a explosion hazards: None under normal conditions. 5.2c Protective measures in fire: Use protective equipment appropriate for surrounding materials. 5.3a Advice for firefighters: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. 5.3b Special protective equipment and precautions for firefighters: Wear full protective colthing, including self-contained breathing apparatus, if necessary. The product presents no special fire hazards in normal use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. 5.1a General release measures: Use protective equipment appropriate for surrounding materials. 6.1a General release measures: No specific meregency presonal precautions, protective equipment and emergency procedures: 6.1b Advice for non-emergency personnel; personal precau	4.3a	Notes to physician/first responder:	
Section 5: Firefighting measures 5.1 Extinguishing media: This product is not flammable. Use fire-extinguishing media appropriate for the surrounding materials. 5.1a Suitable extinguishing media: Water spray, foar, dry powder, or carbon dioxide. 5.1b Unsuitable extinguishing media: None known. 5.2 Special hazards arising from the substance or mixture: This product is not flammable. Product is not explosive. No dangerous reactions known under normal conditions of use. 5.2b Unusual fire & explosion hazards: No unusual fire or explosion hazards noted. 5.2b Unusual fire & explosion hazards: No unusual fire or explosion hazards noted. 5.3a Advice for firefighters: Use protective equipment and precautions for firefighters: No specific firefighting procedure given. 5.3b Special protective equipment and precautions for firefighters: No specific ferefighting procedures in normal use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Section 6: Accidental release measures 0 Special protective equipment, and emergency procedures: Use protective equipment appropriate for surrounding materials. 6.1 General release measures No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills	1.00		
5.1 Extinguishing media: This product is not flammable. Use fire-extinguishing media appropriate for the surrounding materials. 5.1a Suitable extinguishing media: Water spray, foam, dry powder, or carbon dioxide. 5.1b Unsuitable extinguishing media: Water spray, foam, dry powder, or carbon dioxide. 5.2 Special hazards arising from the substance or mixture: None known. 5.2a Hazardous combustion products: None under normal conditions. 5.2b Unusual fire & explosion hazards: No unusual fire or explosion hazards noted. 5.2c Protective measures in fire: Use protective equipment appropriate for surrounding materials. 5.3a Advice for firefighters: Keep away from heat, not surfaces, sparks, open flames and other ignition sources. No smoking. 5.3a Special incretighters: No specific firefighting procedure given. 5.3b Special protective equipment and precautions for firefighters: No specific emergency precessary. The product presents no special fire hazards in normal use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. 6.1a General release measures: No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing, gloves and eye or face protection. Consult professio			
5.1 Extinguishing media: This product is not flammable. Use fire-extinguishing media appropriate for the surrounding materials. 5.1a Suitable extinguishing media: Water spray, foam, dry powder, or carbon dioxide. 5.1b Unsuitable extinguishing media: Water spray, foam, dry powder, or carbon dioxide. 5.2 Special hazards arising from the substance or mixture: None known. 5.2a Hazardous combustion products: None under normal conditions. 5.2b Unusual fire & explosion hazards: No unusual fire or explosion hazards noted. 5.2c Protective measures in fire: Use protective equipment appropriate for surrounding materials. 5.3a Advice for firefighters: Keep away from heat, not surfaces, sparks, open flames and other ignition sources. No smoking. 5.3a Special incretighters: No specific firefighting procedure given. 5.3b Special protective equipment and precautions for firefighters: No specific emergency precessary. The product presents no special fire hazards in normal use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. 6.1a General release measures: No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing, gloves and eye or face protection. Consult professio	Soctio	n 5: Eirofighting mossures	
appropriate for the surrounding materials. 5.1a Suitable extinguishing media: Water spray, foam, dry powder, or carbon dioxide. 5.1b Unsultable extinguishing media: None known. 5.2 Special hazards arising from the substance or mixture: This product is not flammable. Product is not explosive. No dangerous reactions known under normal conditions. 5.2a Hazardous combustion products: None under normal conditions. 5.2b Unusual fire & explosion hazards noted. 5.2c Protective measures in fire: Use protective equipment appropriate for surrounding materials. 5.3 Advice for firefighting procedures: No specific firefighting procedure given. 5.3b Special protective equipment and precautions for firefighters: No specific firefighting procedure given. 5.3b Special protective equipment, and emergency procedures: Use protective equipment appropriate for surrounding materials. 6.1 Personal precautions, protective equipment, and emergency procedures: Use protective equipment appropriate for surrounding materials. 6.1a General release measures: No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective cothing, gloves and eye or face protection. Consult professional emergency personnel			This word, at is not flow mobile. Use five extinguishing modie
5.1a Suitable extinguishing media: Water spray, foam, dry powder, or carbon dioxide. 5.1b Unsuitable extinguishing media: None known. 5.2 Special hazards arising from the substance or mixture: This product is not flammable. Product is not explosive. No dangerous reactions known under normal conditions. 5.2a Hazardous combustion products: None under normal conditions. 5.2b Unusual fire & explosion hazards: No unusual fire or explosion hazards noted. 5.2c Protective measures in fire: Use protective equipment appropriate for surrounding materials. 5.3 Advice for firefighters: No specific friefighting procedures sparks, open flames and other ignition sources. No smoking. 5.3b Special protective equipment and precautions for firefighters: No specific friefighting procedures sparks, open flames and other ignition sources. No smoking. 5.3b Special protective equipment, and emergency procedures: Use protective equipment appropriate for surrounding materials. 6.1a General release measures: No specific emergency measures are required other than good laboratory hygiene and safety practices for anall splits. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency procedures: 6.1b Advice for non-emergency personal precautions, protective equipment and emergency viclas cere to sacting hik, in, eyes, and pers	5.1	Extinguishing media:	
5.1b Unsuitable extinguishing media: None known. 5.2 Special hazards arising from the substance or mixture: This product is not flammable. Product is not explosive. No dangerous reactions known under normal conditions of use. 5.2a Hazardous combustion products: None under normal conditions. 5.2b Unsusal fire & explosion hazards: No unsusal fire or explosion hazards noted. 5.2b Protective measures in fire: Use protective equipment appropriate for surrounding materials. 5.3a Special firefighting procedures: No specific firefighting procedure given. 5.3b Special protective equipment and precautions for firefighters: No specific firefighting procedure given. 5.1a Accidental release measures Use protective equipment appropriate for surrounding materials. 6.1a General release measures: Use protective equipment appropriate for surrounding materials. 6.1a Advice for non-emergency personnel; personal protective equipment and emergency procedures: No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency procedures: 6.1b Advice for non-emergency personnel; personal procedures; procedures; procedures; mist, or gas. Evacuate personal solitos., protective equipment and emergency hygiene and safety practices. W	= 4		
5.2 Special hazards arising from the substance or mixture: This product is not flammable. Product is not explosive. No dangerous reactions known under normal conditions of use. 5.2a Hazardous combustion products: None under normal conditions. 5.2b Unusual fire & explosion hazards: No unusual fire or explosion hazards noted. 5.2c Protective measures in fire: Use protective equipment appropriate for surrounding materials. 5.3a Advice for firefightners: No specific firefighting procedure given. 5.3b Special protective equipment and precautions for firefighters: No specific firefighting procedure given. 5.3b Special protective equipment and precautions for firefighters: No specific firefighting procedure given. 6.1 Personal precautions, protective equipment, and emergency procedures: Use protective equipment appropriate for surrounding materials. 6.1a General release measures: No specific emergency procedures are required other than good laboratory hygiene and safety practices. Wear suitable profestion and control dust/mist. Aviod breathing procedures: 6.1b Advice for non-emergency personnal precautions, protective equipment and emergency procedures: No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing, gloves and eye or face protection to procedures:			
mixture: reactions known under normal conditions of use. 5.2a Hazardous combustion products: None under normal conditions. 5.2b Unusual fire & explosion hazards: No unusual fire or explosion hazards noted. 5.2c Protective measures in fire: Use protective equipment appropriate for surrounding materials. 5.3 Advice for firefighters: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. 5.3b Special protective equipment and precautions for firefighters: No specific firefighting procedure given. 5.4 Personal precautions, protective equipment, and emergency procedures: Use protective equipment appropriate for surrounding materials. 6.1a General release measures: No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency presonnel if concreated see Section 8). 6.1b Advice for non-emergency personnel; personal precautions, protective equipment and emergency weasures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency presonnel if concreated see exclose 8). 6.1b Advice for non-emergency personnel; personal precautions, protective equipment and emergency (also refer to Section 8). </td <td></td> <td></td> <td></td>			
5.2a Hazardous combustion products: None under normal conditions. 5.2b Unusual fire & explosion hazards: No unusual fire or explosion hazards noted. 5.2c Protective measures in fire: Use protective equipment appropriate for surrounding materials. 5.3a Special firefighting procedures: No specific firefighting procedure given. 5.3b Special firefighting procedures: No specific firefighting procedure given. 5.3b Special protective equipment and precautions for firefighters: Wear full protective clothing, including self-contained breathing apparatus, if necessary. The product presents no special fire hazards in normal use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Section 6: Accidental release measures Use protective equipment appropriate for surrounding materials. 6.1 Personal precautions, protective equipment, and emergency procedures: Use protective equipment appropriate for surrounding materials. 6.1a General release measures: No specific emergency measures are required other than good laboratory hygiene and safety practices. For small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8). 6.1b Advice for non-emergency presonal precautions, protective equipment and emergency responders; personal precautions, protective equipment and emergency responder is; error was approv	5.2	Special hazards arising from the substance or	This product is not flammable. Product is not explosive. No dangerous
5.2b Unusual fire & explosion hazards noted. 5.2c Protective measures in fire: Use protective equipment appropriate for surrounding materials. 5.3 Advice for firefighters: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. 5.3a Special protective equipment and precautions for firefighters: No specific firefighting procedure given. 5.3b Special protective equipment and precautions for firefighters: Wear full protective clothing, including self-contained breathing appravatus, if necessary. The product presents no special fire hazards in normal use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Section 6: Accidental release measures Use protective equipment appropriate for surrounding materials. 6.1 Personal precautions, protective equipment, and emergency procedures: Use protective equipment appropriate for surrounding materials. 6.1a General release measures: Use protective equipment appropriate for surrounding materials. 6.1a Advice for non-emergency personnel; personal procedures: No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing, gloves and eye or face protective clothing goves and eye or face protective clothing uprocedures: 6.1b Advice for emergency presonnel; personal precautions, protective equipment and emergency hygiene and safety practices. Wear s		mixture:	reactions known under normal conditions of use.
5.2c Protective measures in fire: Use protective equipment appropriate for surrounding materials. 5.3a Advice for firefighters: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. 5.3a Special firefighting procedures: No specific firefighting procedure given. 5.3b Special protective equipment and precautions for firefighters: No specific firefighting processery. The product presents no special fire hazards in normal use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Section 6: Accidental release measures Ise protective equipment appropriate for surrounding materials. 6.1a General release measures: Use protective equipment appropriate for surrounding materials. 6.1a General release measures: No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8). 6.1b Advice for non-emergency personnel; personal precautions, protective equipment and emergency visit, or gas. Evacuate personnel to safe area. Wear suitable protective clothing/gloves/eye/ace protection to avoid contact with skin, eyes, and personal clothing; sloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if serie area. Wear suitable protective clothing, gloves and eye or face protection to avoid contact, use an approved supplied-air respirator, in case of emergency (5.2a	Hazardous combustion products:	None under normal conditions.
5.2c Protective measures in fire: Use protective equipment appropriate for surrounding materials. 5.3a Advice for firefighters: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. 5.3b Special protective equipment and precautions for firefighters: No specific firefighting procedure given. 5.3b Special protective equipment and precautions for firefighters: No specific firefighting procedure given. 6.1 Personal precautions, protective equipment, and emergency procedures: Use protective equipment appropriate for surrounding materials. 6.1a General release measures: No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8). 6.1b Advice for non-emergency personnel; personal precautions, protective equipment and emergency procedures: No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8). 6.1b Advice for emergency personnel; personal precautions, protective equipment and emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or	5.2b	Unusual fire & explosion hazards:	No unusual fire or explosion hazards noted.
5.3 Advice for firefighters: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. 5.3a Special protective equipment and precautions for firefighting procedure given. No specific firefighting procedure given. 5.3b Special protective equipment and precautions for firefighters: Wear full protective clothing, including self-contained breathing appratus, if necessary. The product presents no special fire hazards in normal use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Section 6: Accidental release measures Use protective equipment appropriate for surrounding materials. 6.1a General release measures: No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8). 6.1b Advice for non-emergency personnel; personal precautions, protective equipment and emergency procedures: No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/everface protection. Consult professional emergency everause and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. 6.1c Advice for emergency responders; personal precautions, protective equipment and emergency procedures: Wear suitable protective clothing, gloves and eye or face protection to avoid conta	5.2c	Protective measures in fire:	Use protective equipment appropriate for surrounding materials.
5.3a Special firefighting procedures: No specific firefighting procedure given. 5.3b Special protective equipment and precautions for firefighters: Wear full protective clothing, including self-contained breathing apparatus, if necessary. The product presents no special fire hazards in normal use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Section 6: Accidental release measures Energency procedures: No specific freegency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing gloves and eye or face protection. Consult procedures: 6.1b Advice for non-emergency personnal precautions, protective equipment and emergency procedures: No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing gloves and eye or face protection. Consult professional emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing gloves and eye or face protection. Consult procedures: 6.1b Advice for non-emergency personnal if precautions, protective equipment and emergency procedures: No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing gloves and eye or face protective clother and precautions, protective equipment and emergency and precaute ventilation and control dust/mist. Avoid breathing vapors, mist, or gas.		Advice for firefighters:	
5.3a Special firefighting procedures: No specific firefighting procedure given. 5.3b Special protective equipment and precautions for firefighters: Wear full protective clothing, including self-contained breathing apparatus, if necessary. The product presents no special fire hazards in normal use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Section 6: Accidental release measures Use protective equipment appropriate for surrounding materials. 6.1 Personal precautions, protective equipment, and emergency procedures: Use protective equipment appropriate for surrounding materials. 6.1a General release measures: No specific mergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8). 6.1b Advice for non-emergency personnel; personal precautions, protective equipment and emergency procedures: No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing; gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel it oncerned if concerned. 6.1c Advice for emergency responders; personal precautions, protective equipment and emergency procedures:	••••	······································	
5.3b Special protective equipment and precautions for firefighters: Wear full protective clothing, including self-contained breathing apparatus, if necessary. The product presents no special fire hazards in normal use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Section 6: Accidental release measures Image: Accidental release measures 6.1 Personal precautions, protective equipment, and emergency procedures: Use protective equipment appropriate for surrounding materials. 6.1a General release measures: No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency procedures: 6.1b Advice for non-emergency personnel; personal precautions, protective equipment and emergency procedures: No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing, use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to avoid contact; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). 6.1c Advice for emergency responders; personal precautions, protective equipment and emergency also refer to Section 8). Wear suitable protecti	5 32	Special firefighting procedures:	
firefighters: apparatus, if necessary. The product presents no special fire hazards in normal use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Section 6: Accidental release measures Image and other ignition sources. No smoking. 6.1 Personal precautions, protective equipment, and emergency procedures: Use protective equipment appropriate for surrounding materials. 6.1a General release measures: No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8). 6.1b Advice for non-emergency personnel; personal precautions, protective equipment and emergency procedures: No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if concerned. 6.1c Advice for emergency responders; personal precautions, protective equipment and emergency avoid contact; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and eye or face p			Wear full protective clothing, including self-contained breathing
Section 6: Accidental release measures 6.1 Personal precautions, protective equipment, and emergency procedures: Use protective equipment appropriate for surrounding materials. 6.1a General release measures: No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel; personal precautions, protective equipment and emergency procedures: No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to provent any contamination. Consult professional emergency personnel if concerned. 6.1c Advice for emergency responders; personal precautions, protective equipment and emergency avoid contact; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). 6.1c Advice for emergency responders; personal precautions, protective equipment and emergency avoid contact; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). 6.2 Environmental preca	0.00		
Section 6: Accidental release measures Use protective equipment appropriate for surrounding materials. 6.1 Personal precautions, protective equipment, and emergency procedures: Use protective equipment appropriate for surrounding materials. 6.1a General release measures: No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8). 6.1b Advice for non-emergency personnel; personal precautions, protective equipment and emergency procedures: No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel if safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if concerned. 6.1c Advice for emergency responders; personal precautions, protective equipment and emergency procedures: Wear suitable protective clothing, gloves and eye or face protection to avoid contact; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). 6.1c Advice for emergency responders; personal precautions, protective equipment and emergency procedures: Do not a		mengmers.	
Section 6: Accidental release measures 6.1 Personal precautions, protective equipment, and emergency procedures: Use protective equipment appropriate for surrounding materials. 6.1a General release measures: No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8). 6.1b Advice for non-emergency personnel; personal precautions, protective equipment and emergency procedures: No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if concerned. 6.1c Advice for emergency responders; personal precautions, protective equipment and emergency procedures: Wear suitable protective clothing, gloves and eye or face protection to avoid contact; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). 6.2 Environmental precautions: Do not allow to enter drains, sewers, or watercourses. 6.3 Methods and materials for containment and clean up: Contai any s			
6.1 Personal precautions, protective equipment, and emergency procedures: Use protective equipment appropriate for surrounding materials. 6.1a General release measures: No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8). 6.1b Advice for non-emergency personnel; personal precautions, protective equipment and emergency procedures: No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/ey/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if concerned. 6.1c Advice for emergency responders; personal precautions, protective equipment and emergency procedures: Wear suitable protective clothing, gloves and eye or face protection to avoid contact; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). 6.2 Environmental precautions: Do not allow to enter drains, sewers, or watercourses. 6.3 Methods and materials for containment and clean up: Do not alllow to enter drains, sewers, or water sources. Pla			tiames and other ignition sources. No smoking.
6.1 Personal precautions, protective equipment, and emergency procedures: Use protective equipment appropriate for surrounding materials. 6.1a General release measures: No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8). 6.1b Advice for non-emergency personnel; personal precautions, protective equipment and emergency procedures: No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/ey/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if concerned. 6.1c Advice for emergency responders; personal precautions, protective equipment and emergency procedures: Wear suitable protective clothing, gloves and eye or face protection to avoid contact; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). 6.2 Environmental precautions: Do not allow to enter drains, sewers, or watercourses. 6.3 Methods and materials for containment and clean up: Do not alllow to enter drains, sewers, or water sources. Pla	•		
emergency procedures:6.1aGeneral release measures:6.1aGeneral release measures:8.1bNo specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8).6.1bAdvice for non-emergency personnel; personal precautions, protective equipment and emergency procedures:6.1bAdvice for non-emergency personnel; personal precautions, protective equipment and emergency procedures:6.1bAdvice for non-emergency personnel; personal precautions, protective equipment and emergency procedures:6.1cAdvice for emergency responders; personal precautions, protective equipment and emergency procedures:6.1cAdvice for emerg			1
6.1a General release measures: No specific emergency measures are required other than good laboratory hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection. Consult professional emergency personnel if concerned (see Section 8). 6.1b Advice for non-emergency personnel; personal precautions, protective equipment and emergency procedures: No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation. Consult professional emergency personnel if concerned. 6.1c Advice for emergency responders; personal precautions, protective equipment and emergency procedures: Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if concerned. 6.1c Advice for emergency responders; personal precautions, protective equipment and emergency procedures: Wear suitable protective clothing, gloves and eye or face protection to avoid contact; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). 6.2 Environmental precautions: Do not allow to enter drains, sewers, or watercourses. 6.3 Methods and materials for containment and clean up: Contain any spills with dikes or absorbent materials to prevent migration and entry into sewers or water sources. Place in a suitable <td>6.1</td> <td></td> <td>Use protective equipment appropriate for surrounding materials.</td>	6.1		Use protective equipment appropriate for surrounding materials.
Image: Section and section of the s		emergency procedures:	
6.1bAdvice for non-emergency personnel; personal precautions, protective equipment and emergency procedures:No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if concerned.6.1cAdvice for emergency responders; personal precautions, protective equipment and emergency procedures:Wear suitable protective clothing, gloves and eye or face protection to avoid contact; use an approved supplied-air respirator, in case of emergency (also refer to Section 8).6.2Environmental precautions:Do not allow to enter drains, sewers, or watercourses.6.3Methods and materials for containment and clean up:Contain any spills with dikes or absorbent materials to prevent migration and entry into sewers or water sources. Place in a suitable	6.1a	General release measures:	No specific emergency measures are required other than good
6.1bAdvice for non-emergency personnel; personal precautions, protective equipment and emergency procedures:No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if concerned.6.1cAdvice for emergency responders; personal precautions, protective equipment and emergency procedures:Wear suitable protective clothing, gloves and eye or face protection to avoid contact; use an approved supplied-air respirator, in case of emergency (also refer to Section 8).6.2Environmental precautions:Do not allow to enter drains, sewers, or watercourses.6.3Methods and materials for containment and clean up:Contain any spills with dikes or absorbent materials to prevent migration and entry into sewers or water sources. Place in a suitable			laboratory hygiene and safety practices for small spills. Wear suitable
6.1bAdvice for non-emergency personnel; personal precautions, protective equipment and emergency procedures:No specific emergency measures are required other than good laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if concerned.6.1cAdvice for emergency responders; personal precautions, protective equipment and emergency procedures:Wear suitable protective clothing, gloves and eye or face protection to avoid contact; use an approved supplied-air respirator, in case of emergency (also refer to Section 8).6.2Environmental precautions:Do not allow to enter drains, sewers, or watercourses.6.3Methods and materials for containment and clean up:Contain any spills with dikes or absorbent materials to prevent migration and entry into sewers or water sources. Place in a suitable			
 6.1b Advice for non-emergency personnel; personal precautions, protective equipment and emergency procedures: 6.1b Advice for non-emergency personnel; personal precautions, protective equipment and emergency procedures: 6.1c Advice for emergency responders; personal precautions, protective equipment and emergency procedures: 6.1c Advice for emergency responders; personal precautions, protective equipment and emergency procedures: 6.1c Advice for emergency responders; personal precautions, protective equipment and emergency procedures: 6.2 Environmental precautions: 6.3 Methods and materials for containment and clear up: 			
precautions, protective equipment and emergency procedures:laboratory hygiene and safety practices. Wear suitable protective clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if concerned.6.1cAdvice for emergency responders; personal precautions, protective equipment and emergency procedures:Wear suitable protective clothing, gloves and eye or face protection to avoid contact; use an approved supplied-air respirator, in case of emergency (also refer to Section 8).6.2Environmental precautions:Do not allow to enter drains, sewers, or watercourses.6.3Methods and materials for containment and clean up:Contain any spills with dikes or absorbent materials to prevent migration and entry into sewers or water sources. Place in a suitable	6.1h	Advice for non-emergency personnel: personal	
 clothing/gloves/eye/face protection to avoid contact with skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if concerned. 6.1c Advice for emergency responders; personal precautions, protective equipment and emergency procedures: 6.2 Environmental precautions: 6.3 Methods and materials for containment and clean up: 			
 and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if concerned. 6.1c Advice for emergency responders; personal precautions, protective equipment and emergency procedures: 6.2 Environmental precautions: Do not allow to enter drains, sewers, or watercourses. 6.3 Methods and materials for containment and clean up: 			
of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if concerned.6.1cAdvice for emergency responders; personal precautions, protective equipment and emergency procedures:Wear suitable protective clothing, gloves and eye or face protection to avoid contact; use an approved supplied-air respirator, in case of emergency (also refer to Section 8).6.2Environmental precautions:Do not allow to enter drains, sewers, or watercourses.6.3Methods and materials for containment and clean up:Contain any spills with dikes or absorbent materials to prevent migration and entry into sewers or water sources. Place in a suitable		procedures.	
Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if concerned.6.1cAdvice for emergency responders; personal precautions, protective equipment and emergency procedures:Wear suitable protective clothing, gloves and eye or face protection to avoid contact; use an approved supplied-air respirator, in case of emergency (also refer to Section 8).6.2Environmental precautions:Do not allow to enter drains, sewers, or watercourses.6.3Methods and materials for containment and clean up:Contain any spills with dikes or absorbent materials to prevent migration and entry into sewers or water sources. Place in a suitable			
vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel if concerned.6.1cAdvice for emergency responders; personal precautions, protective equipment and emergency procedures:Wear suitable protective clothing, gloves and eye or face protection to avoid contact; use an approved supplied-air respirator, in case of emergency (also refer to Section 8).6.2Environmental precautions:Do not allow to enter drains, sewers, or watercourses.6.3Methods and materials for containment and clean up:Contain any spills with dikes or absorbent materials to prevent migration and entry into sewers or water sources. Place in a suitable			
6.1cAdvice for emergency responders; personal precautions, protective equipment and emergency procedures:Wear suitable protective clothing, gloves and eye or face protection to avoid contact; use an approved supplied-air respirator, in case of emergency (also refer to Section 8).6.2Environmental precautions:Do not allow to enter drains, sewers, or watercourses.6.3Methods and materials for containment and clean up:Contain any spills with dikes or absorbent materials to prevent migration and entry into sewers or water sources. Place in a suitable			
6.1c Advice for emergency responders; personal precautions, protective equipment and emergency procedures: Wear suitable protective clothing, gloves and eye or face protection to avoid contact; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). 6.2 Environmental precautions: Do not allow to enter drains, sewers, or watercourses. 6.3 Methods and materials for containment and clean up: Contain any spills with dikes or absorbent materials to prevent migration and entry into sewers or water sources. Place in a suitable			
6.1c Advice for emergency responders; personal precautions, protective equipment and emergency procedures: Wear suitable protective clothing, gloves and eye or face protection to avoid contact; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). 6.2 Environmental precautions: Do not allow to enter drains, sewers, or watercourses. 6.3 Methods and materials for containment and clean up: Contain any spills with dikes or absorbent materials to prevent migration and entry into sewers or water sources. Place in a suitable			
6.1c Advice for emergency responders; personal precautions, protective equipment and emergency procedures: Wear suitable protective clothing, gloves and eye or face protection to avoid contact; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). 6.2 Environmental precautions: Do not allow to enter drains, sewers, or watercourses. 6.3 Methods and materials for containment and clean up: Contain any spills with dikes or absorbent materials to prevent migration and entry into sewers or water sources. Place in a suitable			contamination. Consult professional emergency personnel if
6.1c Advice for emergency responders; personal precautions, protective equipment and emergency procedures: Wear suitable protective clothing, gloves and eye or face protection to avoid contact; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). 6.2 Environmental precautions: Do not allow to enter drains, sewers, or watercourses. 6.3 Methods and materials for containment and clean up: Contain any spills with dikes or absorbent materials to prevent migration and entry into sewers or water sources. Place in a suitable			
precautions, protective equipment and emergency procedures:avoid contact; use an approved supplied-air respirator, in case of emergency (also refer to Section 8).6.2Environmental precautions:Do not allow to enter drains, sewers, or watercourses.6.3Methods and materials for containment and clean up:Contain any spills with dikes or absorbent materials to prevent migration and entry into sewers or water sources. Place in a suitable	6.1c	Advice for emergency responders: personal	
procedures: emergency (also refer to Section 8). 6.2 Environmental precautions: Do not allow to enter drains, sewers, or watercourses. 6.3 Methods and materials for containment and clean up: Contain any spills with dikes or absorbent materials to prevent migration and entry into sewers or water sources. Place in a suitable			
6.2 Environmental precautions: Do not allow to enter drains, sewers, or watercourses. 6.3 Methods and materials for containment and clean up: Contain any spills with dikes or absorbent materials to prevent migration and entry into sewers or water sources. Place in a suitable			
6.3 Methods and materials for containment and clean up: Contain any spills with dikes or absorbent materials to prevent migration and entry into sewers or water sources. Place in a suitable	6.2		
clean up: migration and entry into sewers or water sources. Place in a suitable		Mothode and materials for containment and	
	0.5		
container for disposal in accordance with local waste regulations (see		clean up:	
			container for disposal in accordance with local waste regulations (see

10X Cellular Wash Buffer SDS; Doc# F17-6164-2-D; Effective: 2017-05-19; Supersedes: F17-6164-2-C; Page 3 of 6

	<u>10X Cellular Wash Buffer SDS; Doc# F17-6164-2-D;</u>	Effective: 2017-05-19; Supersedes: F17-6164-2-C; Page 3 of 6 Section 13). Wash spill area thoroughly with plenty of soap and water.
		Avoid contact with skin or inhalation of spillage, dust, or vapour.
6.4	Reference to other sections:	Refer to Sections 8 and 13 for additional information.
•	-	
<u>Sectio</u> 7.1	n 7: Handling and storage Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Avoid creation of aerosol/mist/dust. Avoid inhalation of vapors/mist/dust. Prevent contact with skin and eyes. Use appropriate personal protection equipment (PPE). Thoroughly wash hands and contaminated areas with water and soap before leaving the work site. Keep away from sources of ignition.
7.1a	Prevent handling of incompatible substances or mixtures:	Avoid contact with halogenated hydrocarbons, strong acids, strong oxidizers, and metals.
7.1b	Advice on general occupational hygiene:	Do not eat, drink, or smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas. Good personal hygiene is necessary. Follow good laboratory hygiene and safety practices.
7.2	Conditions for safe storage, including any incompatibilities:	Store in cool place. Keep container tightly closed in a dry and well- ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid spills and release into the environment; keep away from watercourses.
7.3	Specific end use(s):	For research use only. Not for use in diagnostic procedures.
	n 8: Exposure controls/personal protection	
8.1 8.1a	Control parameters: Occupational exposure limits, such as chemical	Not available.
	identity, standard, TWA-8 hours (time weighted average), STEL-15 minutes (short term exposure limit), etc.: WEL = Workplace Exposure Limit. Sk = can be absorbed through skin.	
8.1b 8.1c	Appropriate engineering controls: Individual protection measures, such as personal protective equipment:	Wear gloves. Wear protective goggles.
8.1d	Safety symbols:	
8.2	Exposure controls:	
8.2a	Process conditions:	Provide eyewash station.
8.2b	Engineering controls:	Ensure that eyewash stations and safety showers are proximal to the workstation location.
8.2c	Ventilation controls:	Provide adequate ventilation.
8.2d 8.2e	Reference to other sections: Eye/face protection:	Refer to Section 5 for additional information. Wear approved chemical safety goggles where eye exposure is
8.2e	Skin protection:	reasonably probable or face shield if risk of splashing. Wear apron or protective clothing in case of contact.
8.2g	Hand protection:	Use suitable protective gloves if risk of skin contact.
8.2h	Respiratory equipment:	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
8.2i	Other protection:	Wear appropriate clothing to avoid skin contact.
8.2j	Hygiene measures:	DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink, or smoke. Wash promptly with soap and water if skin becomes contaminated
8.2k	Thermal hazards:	None known under normal conditions of use.
8.2l	Environmental exposure controls:	Not determined.
9.1	n 9: Physical and chemical properties Information on basic physical and chemical	
5.1	properties:	
0.10	Annearance (nhysical state color ato)	
9.1a 9.1b	Appearance (physical state, color, etc.): Odor:	Liquid; colorless. No characteristic odor.

10X Cellular Wash Buffer SDS; Doc# F17-6164-2-D; Effective: 2017-05-19; Supersedes: F17-6164-2-C; Page 4 of 6

014		Effective: 2017-05-19; Supersedes: F17-6164-2-C; Page 4 of 6
9.1d	pH:	6.7-7.1
9.1e	Melting point/freezing point (°C):	Not determined.
9.1f	Initial boiling point and boiling range:	<100°C @ 760 mm Hg.
9.1g	Flash point (°C):	Not applicable.
9.1h	Evaporation rate:	Not determined.
9.1i	Flammability (solid, gas):	Not applicable.
9.1j	Upper/lower flammability or explosive limits:	Not applicable.
9.1k	Vapor pressure:	Not determined.
9.11	Vapor density (Air =1):	Not determined.
9.1m	Relative density:	Not determined.
9.1n	Solubility(ies):	Soluble in water.
9.10	Partition coefficient (N-octanol/water):	Not determined.
9.1p	Auto-ignition temperature (°C):	Not determined.
9.1q	Decomposition temperature (°C):	Not determined.
9.1r	Viscosity:	Not determined.
9.1s	Explosive properties:	Not determined.
9.1t	Oxidizing properties:	Not determined.
9.2	Other information:	None.
9.2a	Other physical or chemical parameters:	None.
Section	10: Stability and reactivity	
10.1	Reactivity:	No data available.
10.1	Chemical stability:	Stable under normal temperature conditions.
10.2	Possibility of hazardous reactions:	Hazardous polymerization: will not polymerize.
10.3	Conditions to avoid:	
10.4		To avoid product degradation, avoid exposure to high temperatures or
40.5	han a mana dikila manta da ba	direct sunlight or light.
10.5	Incompatible materials:	Avoid contact with halogenated hydrocarbons, strong acids, strong
		oxidizers, and metals.
10.6	Hazardous decomposition products:	None under normal conditions.
Section	11: Toxicological information	
11.1	Information on toxicological effects:	
11.1a	Name:	10X Cellular Wash Buffer
11.1b	Acute toxicity:	Not determined.
11.1c	Skin corrosion/irritation:	Not determined.
11.1d	Serious eye damage/irritation:	Not determined.
		Not determined.
11.1e	Respiratory or skin sensitization:	
11.1f	Germ cell mutagenicity:	Not determined.
11.1g	Carcinogenicity:	Not determined.
11.1h	Reproductive toxicity:	Not determined.
11.1i	STOT-single exposure:	Not determined.
11.1j	STOT-repeated exposure:	Not determined.
11.1k	Aspiration hazard:	Not determined.
11.11	Information on the likely routes of exposure	May enter by skin and/or eye contact; inhalation of vapors/mist/dust.
	(inhalation, ingestion, skin and eye contact):	
11.1m	Ingestion:	May cause discomfort if swallowed.
11.1n	Inhalation:	In high concentrations, vapors may irritate throat and respiratory
11.111		system and cause coughing.
11.10	Skin contact:	
	Skin contact:	Liquid may irritate skin and cause redness.
11.1p	Eye contact:	Spray and vapor in the eyes may cause irritation and smarting.
11.1q	Symptoms related to the physical, chemical and	No specific symptoms noted.
	toxicological characteristics:	
11.1r	Delayed and immediate effects as well as chronic	Not determined.
	effects from short and long term exposure:	
11.1s	Numerical measures of toxicity (such as acute	Not determined.
	toxicity estimates):	
11.1t	Interactive effects:	Not determined.
11.1u	Absence of specific data:	Not applicable.
11.1v	Mixtures:	Item is a mixture.
11.1v	Mixture vs. substance information:	See Section 3 for any substances in the mixture.
11.1x	Classification by National Toxicity Program (NTP):	Not classified.
	Classification by International Agency for Research	Not classified.
11.1y		
-	on Cancer (IARC):	
11.1z	Classification by OSHA 13:	Not classified.
-		Not classified. None.
11.1z	Classification by OSHA 13:	
11.1z 11.1ab	Classification by OSHA 13: Other information:	
11.1z 11.1ab Section	Classification by OSHA 13: Other information: 12: Ecological information	
11.1z 11.1ab	Classification by OSHA 13: Other information:	

10X Cellular Wash Buffer SDS; Doc# F17-6164-2-D; Effective: 2017-05-19; Supersedes: F17-6164-2-C; Page 5 of 6

12.3	Persistence and degradability: Bioaccumulative potential:	There are no data on the degradability of this product. No data available on bioaccumulation.
12.4	Mobility in soil:	The product is soluble in water.
12.5	Results of PBT and vPvB assessment:	Not determined.
12.6	Other adverse effects:	The product contains a substance (sodium azide ≤0.1%) that may
		cause long term adverse effects in the aquatic environment. However
		at the concentrations present, this product does not need to be
		classified as hazardous for the environment, and the effects are not
		expected to be significant.
Sectior 13.1	n 13: Disposal considerations Waste treatment methods:	When bondling waste, conjuderation about the made to the cofety
13.1	waste treatment methods.	When handling waste, conisderation should be made to the safety precautions applying to handling of the product.
13.1a	Description of waste residues and information on	Dispose of waste and residues in accordance with local authority
	their safe handling and methods of disposal,	requirements. For the safety of persons conducting disposal, recycling
	including the disposal of any contaminated	or reclamation activities, please refer to the information in Section 8
	packaging:	(exposure controls and personal protection) of the SDS.
0	A A Townson of the formula time	
Section 14.1	n 14: Transport information UN number:	Not applicable.
14.2	UN proper shipping name:	Not applicable.
14.3	Transport hazard class(es):	Not applicable.
14.4	Packing group:	Not applicable.
14.5	Environmental hazards:	The product contains a substance (sodium azide ≤0.1%) that may
14.0		cause long term adverse effects in the aquatic environment. However
		at the concentrations present, this product does not need to be
		classified as hazardous for the environment, and the effects are not
		expected to be significant.
14.5a	Is it environmentally dangerous according to UN	No.
	Model Regulations (IMDG Code, ADR, RID, and	
	ADN)?:	
14.5b	Is it a marine pollutant according to the IMDG	No.
	code?:	
14.6	Special precautions for user:	None known.
14.7	Transport in bulk according to Annex II of	Not applicable.
	MARPOL and the IBC code:	
14.7a 14.7b	Other information:	The product is not considered a dangerous good for transport.
14.70	Classification for other modes of transport:	Contact supplier.
	n 15: Regulatory information	
15.1	Safety, health and environmental	
	regulations/legislation specific for the substance or mixture:	
15.1a	Regional safety, health and environmental	
	regulations specific for the product in question:	
15.1b	USA SARA Components (such as 302/311/313):	Sodium azide (CAS # 26628-22-8) is listed under 302, 304, 313.
		Sodium azide (CAS # 26628-22-8) is listed under 302, 304, 313. Sodium azide (CAS # 26628-22-8) is listed.
15.1c	USA SARA Components (such as 302/311/313):	Sodium azide (CAS # 26628-22-8) is listed.
15.1c 15.1d 15.1e	USA SARA Components (such as 302/311/313): USA Massachusetts Right to Know: USA Pennsylvania Right to Know: USA New Jersey Right to Know:	
15.1c 15.1d 15.1e 15.1f	USA SARA Components (such as 302/311/313): USA Massachusetts Right to Know: USA Pennsylvania Right to Know: USA New Jersey Right to Know: USA California Prop. 65 Components:	Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed.
15.1c 15.1d 15.1e 15.1f 15.1g	USA SARA Components (such as 302/311/313): USA Massachusetts Right to Know: USA Pennsylvania Right to Know: USA New Jersey Right to Know: USA California Prop. 65 Components: EU Regulation 1907/2006 {REACH}:	Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Not listed.
15.1c 15.1d 15.1e 15.1f 15.1g 15.1h	USA SARA Components (such as 302/311/313): USA Massachusetts Right to Know: USA Pennsylvania Right to Know: USA New Jersey Right to Know: USA California Prop. 65 Components: EU Regulation 1907/2006 {REACH}: Annex XIV substances subject to authorization:	Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Not listed.
15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1h	USA SARA Components (such as 302/311/313): USA Massachusetts Right to Know: USA Pennsylvania Right to Know: USA New Jersey Right to Know: USA California Prop. 65 Components: EU Regulation 1907/2006 {REACH}: Annex XIV substances subject to authorization: Substances of very high concern:	Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Not listed. Not listed.
15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1h	USA SARA Components (such as 302/311/313): USA Massachusetts Right to Know: USA Pennsylvania Right to Know: USA New Jersey Right to Know: USA California Prop. 65 Components: EU Regulation 1907/2006 {REACH}: Annex XIV substances subject to authorization:	Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Not listed. Not listed. Not listed. Classification and labeling of substances and preparations dangerous
15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1j	USA SARA Components (such as 302/311/313): USA Massachusetts Right to Know: USA Pennsylvania Right to Know: USA New Jersey Right to Know: USA California Prop. 65 Components: EU Regulation 1907/2006 {REACH}: Annex XIV substances subject to authorization: Substances of very high concern: Approved code of practice:	Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Not listed. Not listed. Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.
15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1j 15.1k	USA SARA Components (such as 302/311/313): USA Massachusetts Right to Know: USA Pennsylvania Right to Know: USA New Jersey Right to Know: USA California Prop. 65 Components: EU Regulation 1907/2006 {REACH}: Annex XIV substances subject to authorization: Substances of very high concern: Approved code of practice: Guidance notes:	Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Not listed. Not listed. Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations. Workplace exposure limits EH40.
15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1j 15.1k	USA SARA Components (such as 302/311/313): USA Massachusetts Right to Know: USA Pennsylvania Right to Know: USA New Jersey Right to Know: USA California Prop. 65 Components: EU Regulation 1907/2006 {REACH}: Annex XIV substances subject to authorization: Substances of very high concern: Approved code of practice:	Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Not listed. . Not listed. Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations. Workplace exposure limits EH40. (EC) No. 1272/2008 on the classification, labelling and packaging of
15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1j 15.1k	USA SARA Components (such as 302/311/313): USA Massachusetts Right to Know: USA Pennsylvania Right to Know: USA New Jersey Right to Know: USA California Prop. 65 Components: EU Regulation 1907/2006 {REACH}: Annex XIV substances subject to authorization: Substances of very high concern: Approved code of practice: Guidance notes:	Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Not listed. . Not listed. Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations. Workplace exposure limits EH40. (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation
15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1j 15.1k	USA SARA Components (such as 302/311/313): USA Massachusetts Right to Know: USA Pennsylvania Right to Know: USA New Jersey Right to Know: USA California Prop. 65 Components: EU Regulation 1907/2006 {REACH}: Annex XIV substances subject to authorization: Substances of very high concern: Approved code of practice: Guidance notes:	Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Not listed. . Not listed. Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations. Workplace exposure limits EH40. (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of
15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1j 15.1k	USA SARA Components (such as 302/311/313): USA Massachusetts Right to Know: USA Pennsylvania Right to Know: USA New Jersey Right to Know: USA California Prop. 65 Components: EU Regulation 1907/2006 {REACH}: Annex XIV substances subject to authorization: Substances of very high concern: Approved code of practice: Guidance notes:	Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Not listed. . Not listed. Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations. Workplace exposure limits EH40. (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation,
15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1j 15.1k	USA SARA Components (such as 302/311/313): USA Massachusetts Right to Know: USA Pennsylvania Right to Know: USA New Jersey Right to Know: USA California Prop. 65 Components: EU Regulation 1907/2006 {REACH}: Annex XIV substances subject to authorization: Substances of very high concern: Approved code of practice: Guidance notes:	Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Not listed. . Not listed. Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations. Workplace exposure limits EH40. (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a
15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1j 15.1k	USA SARA Components (such as 302/311/313): USA Massachusetts Right to Know: USA Pennsylvania Right to Know: USA New Jersey Right to Know: USA California Prop. 65 Components: EU Regulation 1907/2006 {REACH}: Annex XIV substances subject to authorization: Substances of very high concern: Approved code of practice: Guidance notes:	Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Not listed. . Not listed. Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations. Workplace exposure limits EH40. (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and
15.1b 15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1j 15.1k 15.1l	USA SARA Components (such as 302/311/313): USA Massachusetts Right to Know: USA Pennsylvania Right to Know: USA New Jersey Right to Know: USA California Prop. 65 Components: EU Regulation 1907/2006 {REACH}: Annex XIV substances subject to authorization: Substances of very high concern: Approved code of practice: Guidance notes:	Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Not listed. . Not listed. Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations. Workplace exposure limits EH40. (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission
15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1j 15.1k	USA SARA Components (such as 302/311/313): USA Massachusetts Right to Know: USA Pennsylvania Right to Know: USA New Jersey Right to Know: USA California Prop. 65 Components: EU Regulation 1907/2006 {REACH}: Annex XIV substances subject to authorization: Substances of very high concern: Approved code of practice: Guidance notes:	Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Not listed. Not listed. Ot listed. Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations. Workplace exposure limits EH40. (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC
15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1j 15.1k	USA SARA Components (such as 302/311/313): USA Massachusetts Right to Know: USA Pennsylvania Right to Know: USA New Jersey Right to Know: USA California Prop. 65 Components: EU Regulation 1907/2006 {REACH}: Annex XIV substances subject to authorization: Substances of very high concern: Approved code of practice: Guidance notes:	Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Not listed. Not listed. Ot listed. Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations. Workplace exposure limits EH40. (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and
15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1j 15.1k	USA SARA Components (such as 302/311/313): USA Massachusetts Right to Know: USA Pennsylvania Right to Know: USA New Jersey Right to Know: USA California Prop. 65 Components: EU Regulation 1907/2006 {REACH}: Annex XIV substances subject to authorization: Substances of very high concern: Approved code of practice: Guidance notes:	Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Not listed. Not listed. Ot listed. Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations. Workplace exposure limits EH40. (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC
15.1c 15.1d 15.1e 15.1f 15.1g 15.1h 15.1i 15.1i 15.1i 15.1k	USA SARA Components (such as 302/311/313): USA Massachusetts Right to Know: USA Pennsylvania Right to Know: USA New Jersey Right to Know: USA California Prop. 65 Components: EU Regulation 1907/2006 {REACH}: Annex XIV substances subject to authorization: Substances of very high concern: Approved code of practice: Guidance notes: EU legislation references:	Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Not listed. Not listed. Not listed. Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations. Workplace exposure limits EH40. (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.
15.1c 15.1d 15.1e 15.1f 15.1g 15.1i 15.1i 15.1j 15.1k 15.1l	USA SARA Components (such as 302/311/313): USA Massachusetts Right to Know: USA Pennsylvania Right to Know: USA New Jersey Right to Know: USA California Prop. 65 Components: EU Regulation 1907/2006 {REACH}: Annex XIV substances subject to authorization: Substances of very high concern: Approved code of practice: Guidance notes: EU legislation references:	Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Not listed. Not listed. Ot listed. Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations. Workplace exposure limits EH40. (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/105/EC and 2000/21/EC, including amendments. Not required.
15.1c 15.1d 15.1e 15.1f 15.1g 15.1i 15.1i 15.1i 15.1i 15.1l 15.1l	USA SARA Components (such as 302/311/313): USA Massachusetts Right to Know: USA Pennsylvania Right to Know: USA New Jersey Right to Know: USA California Prop. 65 Components: EU Regulation 1907/2006 {REACH}: Annex XIV substances subject to authorization: Substances of very high concern: Approved code of practice: Guidance notes: EU legislation references:	Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Sodium azide (CAS # 26628-22-8) is listed. Not listed. Not listed. Ot listed. Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations. Workplace exposure limits EH40. (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Not required.

10X Cellular Wash Buffer SDS; Doc# F17-6164-2-D; Effective: 2017-05-19; Supersedes: F17-6164-2-C; Page 6 of 6

16.1a		revision:	Effective: 2017-05-19; Supersedes: F17-6164-2-C; Page 6 of 6 2017-05-19
16.1b		Imber and revision:	F17-6164-2-D
16.1c		edes SDS number and revision:	F17-6164-2-C
16.1d		es made to the previous version of the SDS:	Reviewed and updated document control numbers.
16.1e		end to abbreviations and acronyms used in	ACGIH American Conference of Governmental Industrial Hygienists.
10.10	the SD		ADN European Provisions concerning the International Carriage of
	line SD.	5.	Dangerous Goods by Inland Waterway.
			ADR The European Agreement concerning the International Carriage
			of Dangerous Goods by Road.
			ATE Acute Toxicity Estimate.
			BCF Bio Concentration Factor.
			CAS Chemical Abstracts Service.
			CLP Classification, Labelling and Packaging.
			CMR Carcinogen, Mutagen or Reproductive toxicant.
			COD Chemical Oxygen Demand.
			EC European Commission.
			EC50 Half maximal effective concentration.
			EH40 Resource containing the list of workplace exposure limits for use
			with the Control of Substances Hazardous to Health Regulations.
			EINECS European Inventory of Existing Commercial chemical
			Substances.
			ELINCS European List of Notified Chemical Substances.
			EU European Union.
			GHS Globally Harmonized System of Classification and Labelling of
			Chemicals.
			H Statement GHS Hazard statement.
			IATA International Air Transport Association.
			IBC Intermediate Bulk Container.
			IC50 Half maximal inhibitory concentration.
			IMDG International Maritime Dangerous Goods.
			LC50 Median lethal concentration.
			LD50 Median lethal dose.
			LogPow logarithm of the octanol/water partition coefficient.
			MARPOL 73/78 International Convention for the Prevention of
			Pollution From Ships, 1973 as modified by the Protocol of 1978.
			OEL Occupational Exposure Limit.
			OSHA Occupational Safety and Health Administration (USA).
			PBT Persistent, Bioaccumulative, and Toxic.
			PEL Permissible Exposure Limit.
			RID The Regulations concerning the International Carriage of
			Dangerous Goods by Rail.
			SADT Self-Accelerating Decomposition Temperature.
			SARA Superfund Amendments and Reauthorization Act.
			SCBA Self-Contained Breathing Apparatus.
			SDS Safety Data Sheet.
			STOT Specific Target Organ Toxicity.
			STOT-RE Specific Target Organ Toxicity - Repeated Exposure.
			STOT-SE Specific Target Organ Toxicity - Single Exposure.
			UN United Nations.
			USA United States of America.
16 15	Eull tou	t of hozard atatamente and/ar areas there are	vPvB very Persistent very bioaccumulative.
16.1f		t of hazard statements and/or precautionary	All statements were written out in full.
		ents not written out in full elsewhere:	
DISCL	AIMER:		fic material designated and may not be valid for such material used
			or in any process. Such information is, to the best of the company's
			ble as of the date indicated. However, no warranty guarantee or
			liability, or completeness. It is the user's responsibility to satisfy
		himself as to the suitability of such inform	
		,	
		F	ND OF SDS

Fixative SDS; Doc#F17-536-2-D; Effective: 5/12/17; Supersedes: F17-536-2-C; Page 1 of 8

ImpunoChemistry TECHNOLOGIESLLC

SAFETY DATA SHEET (SDS) according to Regulation (EC) No. 830/2015 amending 1907/2006

Sectio	n 1: Identification of the substance/mixtu	re and of the c	ompany/undertaking
1.1	Product identifier:		Fixative
1.1a	Other means of identification:		
1.1b	Alternative product name(s)/ sy	nonyms:	Fixative, Fix
1.1c	Product number/Catalog #(s):		536, 636
1.1d	Internal identification:		Fixative, Fix
1.2	Relevant identified uses of the substan and uses advised against:	ce or mixture	For research use only. Not for use in diagnostic procedures.
1.2a	Brief description of what the substance or intended to do:	mixture is	Laboratory reagent to preserve cells.
1.3	Details of the supplier of the SDS:		
1.3a	Name:		ImmunoChemistry Technologies, LLC (ICT)
1.3b	Address:		9401 James Avenue South, Suite 155
1.3c	City, State, Zip, Country		Bloomington, MN 55431-2500 USA
1.3d	Phone number:		1-800-829-3194 and 952-888-8788
1.3e	Fax number:		952-888-8988
1.3f	Website:		www.immunochemistry.com
1.3g	Email:		help@immunochemistry.com
1.3h	Contact person at ICT:		Quality Documentation Department
1.4	Emergency telephone number:		ICT: 1-800-829-3194 (USA & Canada) or 952-888-8788 world wide; ICT hours are 9 am-5 pm central time USA, Monday through Friday (excluding holidays). Chemtrec 24-hour access within USA and Canada: 1-800-424-9300 or +1 703-527-3887. Collect calls accepted.
Sectio	n 2: Hazards identification		
2.1	Classification of the substance or	•	
	mixture:		
2.1a	Product is a:	Mixture.	
2.1b	Classification according to (EC) No.	Flammable L	iquids, (Category 4) (USA Only).
	1272/2008 {CLP}:	H312 Acute H315 Skin Ir H319 Eye Irr H317 Skin s H341 Germ H350 Carcin H371 Specif	toxicity, Oral (Category 4). toxicity, Dermal (Category 4). ritation, (Category 2). ritation, (Category 2). ensitisation (Category 1). cell mutagenicity (Category 2). iogenicity (Category 1B). ic Target Organ Toxicity - Single Exposure (Category 2). ic Target Organ Toxicity - Single Exposure (Category 3) - Respiratory Tract.
2.1c	The most important adverse physiochemical, human health, and environmental effects:		ct with liquid may cause immediate harm to skin, mouth, and eyes. Refer to
2.2	Label elements:		
2.2a	GHS label elements, including precautionary statements:		
2.2b	Contains:	Formaldehyd	de <10%; and Methanol <5%.
2.2c	Labeling in accordance with (EC) No. 1272/2008:		
2.2d	Hazard Pictograms (Hazard Symbols):	GHS07 Excl	amation mark. GHS08 Health hazard.
2.2e	Signal word:	Danger.	
2.2f	Hazard statements:	H227 Combu H302 Harmfr H312 Harmfr H319 Cause H315 Cause H317 May ca H350 May ca H350 May ca H341 Suspe H371 May ca	ustible liquids. ul if swallowed. ul if in contact with skin. s serious eye irritation. s skin irritation. ause an allergic skin reaction. ause cancer. icted of causing genetic defects. ause damage to organs. ause respiratory irritation.
2.2g	Precautionary statements:	P201 Obtain P280 Wear p P301 + P312	a special instructions before use. protective gloves/ protective clothing/ eye protection/ face protection. 2 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if rell. Rinse mouth.

Fixative SDS; Doc#F17-536-2-D; Effective: 5/12/17; Supersedes: F17-536-2-C; Page 2 of 8

	Fixative SD			les: F17-536-2-C; Page 2 of 8 cerned: Get medical advice/ attention.		
				ash occurs: Get medical advice/ attention.		
2.2h	Supplementary precaution st	tatements: P270	Do not eat, drink or smoke	when using this product.		
			1 Avoid breathing mist/vapors/spray.			
		P272	Contaminated work clothing	g should not be allowed out of the workplace.		
			Call a poison center or doc			
			Specific treatment (see on Specific measures (see on			
			Specific measures (see on Pince mouth	this label).		
			P330 Rinse mouth. P362 Take off contaminated clothing. P363 Wash contaminated clothing before reuse. P501 Dispose of contents/containers in accordance with local regulations.			
		P501				
			P302+P352 If on skin: Wash with plenty of soap and water.			
				victim to fresh air and keep at rest in a position		
			ortable for breathing.			
		P305-	+P351+P338 If in eyes: Rin	nse cautiously with water for several minutes. Remove		
		conta	ct lenses, if present and eas			
2.3	Other hazards:		No additional infor	mation available.		
2.3a	Does the chemical meet the					
2.3b	Other hazards which do not result in classification:		Not known.			
0						
	n 3: Composition/informatio	n on ingredients	Itom in a minture t	horoforo Soction 2.1 in not applicable: and Castion 2.0		
3.1 3.2	Substance: Mixture:		Item is a mixture ti	herefore Section 3.1 is not applicable; see Section 3.2.		
5.2	The chemical identity and co	incentration or concept				
	ranges of all ingredients which					
	present above their cut-off le		~~~			
	3.2a Chemical identity:		Formaldehyde			
	3.2b Common name, synony	/ms, etc.:	CH ₂ O; Index# 605	5-001-00-5		
	3.2c CAS number and		<u>3.2e %</u>	3.2f Classification according to (EC) No. 1272/2008		
	other unique identifiers:	3.2d EC number		{CLP}:		
	50-00-0	200-001-8	<10%	H301 Toxic if swallowed. H311 Toxic in contact with		
				skin. H331 Toxic if inhaled. Acute Tox. 3.		
				H314 Causes severe skin burns and eye damage.		
				Skin Corr. 1B.		
				H318 Causes serious eye damage. Eye Dam. 1.		
				H317 May cause an allergic skin reaction. Skin Sens.		
				1.		
				H341 Suspected of causing genetic defects. Muta. 2.		
				H350 May cause cancer. Carc. 1B.		
				H335 May cause respiratory irritation. STOT SE 3.		
2.04	Other ingredient:					
3.2g	Other ingredient: 3.2h Chemical identity:		Methanol			
	3.2i Common name, synony	me oto:	CH ₄ O; Index # 603	3-001-00-X		
	3.2j CAS number and	115, 610	3.21 %	3.2m Classification according to (EC) No. 1272/2008		
	other unique identifiers:	3.2k EC number		{CLP}:		
	67-56-1	200-659-6	< <u>concentration.</u> <5%	H225 Highly flammable liquid and vapor. Flam. Liq. 2.		
	07 50 1	200 000 0	<070	H301 Toxic if swallowed. H311 Toxic in contact with		
				skin. H331 Toxic if inhaled. Acute Tox. 3.		
				H370 Causes damage to organs. STOT SE 1.		
Sectio	n 4: First aid measures					
4.1	Description of first aid measures:		Consult with a phy	vsician and provide SDS information. If exposed or		
	•			concerned, get medical attention/advice. Wash contaminated clothing		
				before re-use. Never give anything to an unconscious person. First aid		
				responders should wear gloves/skin protection to avoid contact with		
			product.			
4.1a	Inhalation:			air and keep at rest in a comfortable position for		
				reathing, give artificial respiration. Rinse nose and mouth		
			with water. Get me			
4.1b	Skin contact:		Remove affected o	clothing/shoes and immediately wash all exposed skin		
				ter for at least 15 minutes. Take victim immediately to		
4.4.5	Fire contact		hospital. Get medi			
4.1c	Eye contact:		Get medical attent	Get medical attention immediately. Promptly wash eyes with plenty of		
				water while lifting the eyelids. Make sure to remove any contact lenses		
4 4 2	Indeption			ore rinsing. Continue to rinse for at least 15 minutes.		
4.1d	Ingestion:			tion immediately and if any discomfort continues. NEVER		
				NSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse		
				. Do not induce vomiting without advice from poison nedical professional.		
4.2	Most important symptoms	and effects both an		ions 2 and 11 for most important known symptoms and		
- T. Z		and enecis, builded				
4.2a	and delayed: Inhalation:		effects. May cause respira	atory irritation		

Fixative SDS; Doc#F17-536-2-D; Effective: 5/12/17; Supersedes: F17-536-2-C; Page 3 of 8

4.2b	Skin contact:	Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction.
4.2c	Eye contact:	Causes serious eye irritation.
4.2d 4.3	Ingestion: Indication of any immediate medical attention and special treatment needed:	Harmful if swallowed. Get medical attention immediately.
4.3a	Notes to physician/first responder:	Treat symptomatically. Refer to Sections 5-8 for advice on personal protective equipment.
Sectio	n 5: Firefighting measures	
5.1	Extinguishing media:	Use fire-extinguishing media appropriate for the surrounding materials.
5.1a	Suitable extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
5.1b	Unsuitable extinguishing media:	None known.
5.2	Special hazards arising from the substance or mixture:	
5.2a	Hazardous combustion products:	None under normal conditions.
5.2b	Unusual fire & explosion hazards:	No unusual fire or explosion hazards noted.
5.2c	Protective measures in fire:	Use protective equipment appropriate for surrounding materials. Do not enter fire area without proper protective equipment, including respiratory protection. Wear self-contained breathing apparatus and protective suit (see Section 8).
5.3	Advice for firefighters:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
5.3a	Special firefighting procedures:	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.
5.3b	Special protective equipment and precautions for firefighters:	Wear full protective clothing, including self-contained breathing apparatus, if necessary. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Sectio 6.1	n 6: Accidental release measures Personal precautions, protective equipment, and emergency procedures:	Use protective equipment appropriate for surrounding materials and to avoid contamination.
6.1a	General release measures:	No specific emergency measures are required other than good laboratory
0.14		hygiene and safety practices for small spills. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel for large spills.
6.1b	Advice for non-emergency personnel; personal precautions, protective equipment and emergency procedures:	Wear suitable protective clothing/gloves/eye/face protection to prevent any contamination of skin, eyes, and personal clothing; use an approved supplied-air respirator, in case of emergency (also refer to Section 8). Remove all sources of ignition. Ensure adequate ventilation and control dust/mist. Avoid breathing vapors, mist, or gas. Evacuate personnel to safe areas. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination. Consult professional emergency personnel for large and the pers
6.1c	Advice for emergency responders; personal precautions, protective equipment and emergency procedures:	for large spills or if concerned. Wear suitable protective clothing, gloves and eye or face protection to prevent any contamination; use an approved supplied-air respirator, in case of emergency (also refer to Section 8).
6.2	Environmental precautions:	Do not allow to enter drains, surface, and ground water, sewers, or watercourses.
6.3	Methods and materials for containment and clean up:	Contain any spills with dikes or absorbent materials to prevent migration and entry into sewers or water sources. Place in a suitable container for disposal in accordance with local waste regulations (see Section 13). Wash spill area thoroughly with plenty of soap and water. Avoid contact with skin or inhalation of spillage, dust, or vapor
6.4	Reference to other sections:	Refer to Sections 8 and 13 for additional information.
Sectio	n 7: Handling and storage	
7.1	Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Avoid creation of aerosol/mist/dust. Avoid inhalation of vapors/mist/dust. Prevent contact with skin and eyes. Use appropriate personal protection equipment (PPE). Thoroughly wash hands and contaminated areas with water and soap before leaving the work site. Keep away from sources of ignition.
7.1a	Prevent handling of incompatible substances or mixtures:	Avoid contact with strong acids and strong oxidizing substances. Incompatible with strong bases, strong acids, strong oxidizing agents, alkali metals, amines, acid chlorides, acid anhydrides, reducing agents, peroxides, isocyanates, phenol, aniline.
7.1b	Advice on general occupational hygiene:	Do not eat, drink, or smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas. Good personal hygiene is necessary. Follow good laboratory
7.2	Conditions for safe storage, including any incompatibilities:	 hygiene and safety practices. Refer to product label for storage. Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Fixative SDS; Doc#F17-536-2-D; Effective: 5/12/17; Supersedes: F17-536-2-C; Page 4 of 8

		Avoid spills and release into the environment; keep away from
7.3	Specific end use(s):	watercourses.
7.3	Specific end use(s):	For research use only. Not for use in diagnostic procedures.
	8: Exposure controls/personal protection	
8.1 8.1a	Control parameters: Occupational exposure limits, such as chemical identity, standard, TWA-8 hours (time weighted average), STEL-15 minutes (short term exposure limit), etc.: WEL = Workplace Exposure Limit. Sk = can be absorbed through skin.	Methanol: EH40 2005 UK Workplace Exposure Limits STEL: 333 mg/m ³ 15 minutes STEL: 250 ppm 15 minutes TWA: 266 mg/m ³ 8 hours TWA: 200 ppm 8 hours USA ACGIH Threshold Limit Values TWA- 200 ppm 8 hours TWA- 262 mg/m ³ 8 hours STEL- 250 ppm 15 minutes STEL- 328 mg/m ³ 15 minutes US NIOSH Recommended Exposure Limits TWA- 200 ppm 10 hours TWA- 200 ppm 10 hours STEL- 250 ppm 15 minutes STEL- 250 ppm 15 minutes STEL- 250 ppm 15 minutes STEL- 260 mg/m ³ 10 hours STEL- 260 mg/m ³ 16 hours STEL- 260 mg/m ³ 8 hours TWA- 200 ppm 8 hours TWA- 200 ppm 8 hours TWA- 260 mg/m ³ 8 hours Formaldehyde EH40 2005 UK Workplace Exposure Limits STEL: 2.5 mg/m ³ 15 minutes
8.1b	Appropriate engineering controls:	STEL: 2 ppm 15 minutes TWA: 2 ppm 8 hours TWA: 2.5 mg/m ³ 8 hours USA ACGIH Threshold Limit Values C: 0.300000 ppm OSHA PEL Subpart Z Standard - OSHA Specifically Regulated Chemicals/Carcinogens TWA 0.750000 ppm 8 hours STEL - 2.000000 ppm 15 minutes US NIOSH Recommended Exposure Limits TWA: 0.016000 ppm 10 hours CEIL - 0.100000 ppm 15 minutes
8.1c	Individual protection measures, such as personal protective equipment:	Wear gloves, lab coat, and protective goggles.
8.1d	Safety symbols:	
8.2	Exposure controls:	
8.2a 8.2b	Process conditions: Engineering controls:	Provide eyewash station. Ensure that eyewash stations and safety showers are proximal to the workstation location.
8.2c	Ventilation controls:	Provide adquate ventilation.
8.2d 8.2e	Reference to other sections: Eye/face protection:	Refer to Section 5 for additional information. Tightly fitting safety goggles. Use equipment for eye/face protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
8.2f	Skin protection:	Wear apron or protective clothing in case of contact.
8.2g	Hand protection:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Full contact Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M) Splash contact Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M) Splash contact Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only

Fixative SDS; Doc#F17-536-2-D; Effective: 5/12/17; Supersedes: F17-536-2-C; Page 5 of 8

		cuve. 5/12/17, Superseues. F17-556-2-C, Fage 5 01 6
8.2h	Respiratory equipment:	 and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of the customers' anticipated uses of the product. It should not be construed as offering an approval for any specific use scenario. Where risk assessment shows air-purifying respirators are appropriate use
0.211		a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the
		respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
8.2i	Other protection:	Wear appropriate clothing to prevent any possibility of skin contact.
8.2j	Hygiene measures:	DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift
		and before eating, smoking, and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to
		prevent drying of skin. When using do not eat, drink, or smoke. Wash
		promptly with soap and water if skin becomes contaminated.
8.2k	Thermal hazards:	None known.
8.21	Environmental exposure controls:	Not determined.
O set i su		
9.1	n 9: Physical and chemical properties Information on basic physical and chemical	
9.1	properties:	•
9.1a	Appearance (physical state, color, etc.):	Liquid; colorless; clear.
9.1b	Odor:	Pungent
9.1c	Odor threshold:	Not determined.
9.1d	pH:	6.8-7.4
9.1e	Melting point/freezing point (°C):	Not determined.
9.1f	Initial boiling point and boiling range:	Not determined.
9.1g	Flash point (°C):	85°C estimated value based on supplier data.
9.1h	Evaporation rate:	Not determined.
9.1i	Flammability (solid, gas):	Not determined.
9.1j	Upper/lower flammability or explosive limits:	Upper: 70%(V) estimated value.
0.11	Vapar procedura:	Lower: 7%(V) estimated value.
9.1k 9.1l	Vapor pressure: Vapor density (Air =1):	53 hPa at 39°C estimated value. Not applicable.
9.11 9.1m	Relative density:	Not determined.
9.1n	Solubility(ies):	Readily miscible in water.
9.10	Partition coefficient (N-octanol/water):	Not determined.
9.1p	Auto-ignition temperature (°C):	Not determined.
9.1q	Decomposition temperature (°C):	Not determined.
9.1r	Viscosity:	Not determined.
9.1s	Explosive properties:	Not determined.
9.1t	Oxidizing properties:	Not determined.
9.2	Other information:	None.
9.2a	Other physical or chemical parameters:	None.
Section	n 10: Stability and reactivity	
10.1	Reactivity:	Strong acids. Strong oxidizing substances.
10.2	Chemical stability:	Stable under normal temperature conditions.
10.3	Possibility of hazardous reactions:	Not determined.
10.4	Conditions to avoid:	Heat, flames, and sparks. Avoid exposure to high temperatures or direct sunlight.
10.5	Incompatible materials:	Strong bases, strong acids, strong oxidizing agents, alkali metals, amines, acid chlorides, acid anhydrides, reducing agents, peroxides, isocyanates, phenol, aniline.
10.6	Hazardous decomposition products:	None under normal conditions. High temperatures generate: Vapors/gases/fumes of: Formaldehyde.
	n 11: Toxicological information	
11.1	Information on toxicological effects:	•
11.1a 11.1b	Name:	. Formaldehyde:
11.10	Acute toxicity:	LD50 Dermal Rabbit 270 mg/kg. LD50 Oral Rat 100 mg/kg. Methanol:
		LD50 Dermal Rabbit 15800 mg/kg. LD50 Oral Rat 5600 mg/kg.
11.1c	Skin corrosion/irritation:	Formaldehyde: Not determined. Methanol: Not determined.
11.1d	Serious eye damage/irritation:	Formaldehyde: Not determined. Methanol: Not determined.
11.1e	Respiratory or skin sensitization:	Formaldehyde: Not determined. Methanol: Not determined.
<u>11.1f</u> 11.1g	Germ cell mutagenicity: Carcinogenicity:	Formaldehyde: Not determined. Methanol: Not determined. Formaldehyde: IARC: 1 - Group 1: Carcinogenic to humans.
		NTP - Known to be a human Carcinogen. NIOSH - List of Known Carcinogens.

Fixative SDS; Doc#F17-536-2-D; Effective: 5/12/17; Supersedes: F17-536-2-C; Page 6 of 8
ACGIH - A2 (Suspected Human Carcinogen).

	Fixative SDS; Doc#F17-536-2-D; Effective	
	Denne dustine terrisit	ACGIH - A2 (Suspected Human Carcinogen).
11.1h	Reproductive toxicity:	Formaldehyde: Not determined. Methanol: Not determined.
1.1i	STOT-single exposure:	Formaldehyde: Not determined. Methanol: Not determined.
1.1j	STOT-repeated exposure:	Formaldehyde: Category 3, Respiratory Tract Irritation. Methanol: Not determined.
1.1k	Aspiration hazard:	Formaldehyde: Not determined. Methanol: Not determined.
1.11	Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):	May enter by skin and/or eye contact; inhalation of vapors/mist/dust.
1.1m	Ingestion:	Harmful if swallowed.
1.1n	Inhalation:	May cause respiratory irritation.
1.10	Skin contact:	Harmful in contact with skin. Causes skin irritation. May cause an allergi skin reaction.
1.1p	Eye contact:	Causes serious eye irritation.
1.1q	Symptoms related to the physical, chemical and toxicological characteristics:	May cause sensitization by skin contact.
11.1r	Delayed and immediate effects as well as chronic effects from short and long term exposure:	May cause cancer. Suspected of causing genetic defects. May cause damage to organs.
11.1s	Numerical measures of toxicity (such as acute toxicity estimates):	Not determined.
11.1t	Interactive effects:	Not determined.
11.1u	Absence of specific data:	Not applicable.
11.1v	Mixtures:	Item is a mixture.
11.1w	Mixture vs. substance information:	See Section 3 for any substances in the mixture.
11.1x	Classification by National Toxicity Program (NTP):	Formaldehyde is known to be a human carcinogen. Methanol is not listed.
11.1x 11.1y	Classification by International Agency for Research on	Formaldehyde is classified in Group 1: Carcinogenic to Humans. Methano
i y	Classification by international Agency for Research on Cancer (IARC):	is not listed.
11.1z	Classification by OSHA 13:	Formaldehyde is not listed. Methanol is not listed.
11.12 11.1ab	Other information:	Because of the small quantity of product, the health hazard is small.
	12: Ecological information	
12.1	Toxicity:	Mixture not tested.
12.1a	Name:	Fixative.
12.1b	Ecotoxicity (aquatic and terrestrial, where available):	No data available.
12.2	Persistence and degradability:	No data available.
12.3	Bioaccumulative potential:	No data available.
12.4	Mobility in soil:	No data available.
12.5	Results of PBT and vPvB assessment:	Not determined.
12.6	Other adverse effects:	Not determined.
	n 13: Disposal considerations	
13.1	Waste treatment methods:	When handling waste, consideration should be made to the safety
		precautions applying to handling of the product.
13.1a	Description of waste residues and information on their	Dispose of waste and residues in accordance with local authority
	safe handling and methods of disposal, including the disposal of any contaminated packaging:	requirements. For the safety of persons conducting disposal, recycling or reclamation activities, please refer to the information in Section 8 (exposure controls and personal protection) of the SDS.
Section	14: Transport information	
	n 14: Transport information	
14.1	UN number:	Not applicable.
14.1 14.2	UN number: UN proper shipping name:	Not applicable. Not applicable.
14.1 14.2 14.3	UN number: UN proper shipping name: Transport hazard class(es):	Not applicable. Not applicable. Not applicable.
14.1 14.2 14.3 14.4	UN number: UN proper shipping name: Transport hazard class(es): Packing group:	Not applicable. Not applicable.
14.1 14.2 14.3 14.4 14.5	UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	Not applicable. Not applicable. Not applicable. Not applicable.
14.1 14.2 14.3 14.4 14.5	UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Is it environmentally dangerous according to UN Model	Not applicable. Not applicable. Not applicable.
14.1 14.2 14.3 14.4 14.5 14.5a	UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Is it environmentally dangerous according to UN Model Regulations (IMDG Code, ADR, RID, and ADN)?:	Not applicable. Not applicable. Not applicable. Not applicable.
14.1 14.2 14.3 14.4 14.5 14.5a 14.5b	UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Is it environmentally dangerous according to UN Model Regulations (IMDG Code, ADR, RID, and ADN)?: Is it a marine pollutant according to the IMDG code?:	Not applicable. Not applicable. Not applicable. Not applicable. The product is not covered by these regulations. No.
14.1 14.2 14.3 14.4 14.5 14.5a 14.5b 14.6	UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Is it environmentally dangerous according to UN Model Regulations (IMDG Code, ADR, RID, and ADN)?: Is it a marine pollutant according to the IMDG code?: Special precautions for user: Transport in bulk according to Annex II of MARPOL	Not applicable. Not applicable. Not applicable. Not applicable.
14.1 14.2 14.3 14.4 14.5 14.5a 14.5b 14.6 14.7	UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Is it environmentally dangerous according to UN Model Regulations (IMDG Code, ADR, RID, and ADN)?: Is it a marine pollutant according to the IMDG code?: Special precautions for user: Transport in bulk according to Annex II of MARPOL and the IBC code:	Not applicable. Not applicable. Not applicable. . The product is not covered by these regulations. No. None known. Not applicable.
14.1 14.2 14.3 14.4 14.5 14.5a 14.5b 14.6 14.7	UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Is it environmentally dangerous according to UN Model Regulations (IMDG Code, ADR, RID, and ADN)?: Is it a marine pollutant according to the IMDG code?: Special precautions for user: Transport in bulk according to Annex II of MARPOL and the IBC code:	Not applicable. Not applicable. Not applicable. . The product is not covered by these regulations. No. None known. Not applicable.
14.1 14.2 14.3 14.4 14.5 14.5a 14.5b 14.6 14.7 14.7a 14.7b	UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Is it environmentally dangerous according to UN Model Regulations (IMDG Code, ADR, RID, and ADN)?: Is it a marine pollutant according to the IMDG code?: Special precautions for user: Transport in bulk according to Annex II of MARPOL and the IBC code: Other information: Classification for other modes of transport: 15: Regulatory information Safety, health and environmental regulations/legislation specific for the substance or	Not applicable. Not applicable. Not applicable. Not applicable. . The product is not covered by these regulations. No. None known.
14.1 14.2 14.3 14.4 14.5 14.5a 14.5b 14.6 14.7 14.7a 14.7b Section 15.1	UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Is it environmentally dangerous according to UN Model Regulations (IMDG Code, ADR, RID, and ADN)?: Is it a marine pollutant according to the IMDG code?: Special precautions for user: Transport in bulk according to Annex II of MARPOL and the IBC code: Other information: Classification for other modes of transport: 15: Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture: Regional safety, health and environmental regulations	Not applicable. Not applicable. Not applicable. Not applicable. . The product is not covered by these regulations. No. None known. Not applicable. The product is not considered a dangerous good for transport.
14.1 14.2 14.3 14.4 14.5 14.5a 14.5b 14.6 14.7 14.7 14.7 14.7 14.7 15.1 15.1a	UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Is it environmentally dangerous according to UN Model Regulations (IMDG Code, ADR, RID, and ADN)?: Is it a marine pollutant according to the IMDG code?: Special precautions for user: Transport in bulk according to Annex II of MARPOL and the IBC code: Other information: Classification for other modes of transport: 15: Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture:	Not applicable. Not applicable. Not applicable. Not applicable. The product is not covered by these regulations. No. None known. Not applicable. The product is not considered a dangerous good for transport. Contact supplier. . USDA OSHA - Formaldehyde Standard Subpart Z 1910.1048. Formaldehyde is listed on 302, 304, 313, and RCRA code U122.
14.1 14.2 14.3 14.4 14.5a 14.5b 14.5a 14.5b 14.6 14.7 14.7a 14.7b Section 15.1 15.1a	UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Is it environmentally dangerous according to UN Model Regulations (IMDG Code, ADR, RID, and ADN)?: Is it a marine pollutant according to the IMDG code?: Special precautions for user: Transport in bulk according to Annex II of MARPOL and the IBC code: Other information: Classification for other modes of transport: n 15: Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture: Regional safety, health and environmental regulations specific for the product in question: USA SARA Components (such as 302/311/313):	Not applicable. Not applicable. Not applicable. Not applicable. The product is not covered by these regulations. No. None known. Not applicable. The product is not considered a dangerous good for transport. Contact supplier. . USDA OSHA - Formaldehyde Standard Subpart Z 1910.1048. Formaldehyde is listed on 302, 304, 313, and RCRA code U122. Methanol is listed on 313 and RCRA code U122.
14.1 14.2 14.3 14.4 14.5 14.5a 14.5b 14.6 14.7 14.7b Section 15.1a 15.1b 15.1c	UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Is it environmentally dangerous according to UN Model Regulations (IMDG Code, ADR, RID, and ADN)?: Is it a marine pollutant according to the IMDG code?: Special precautions for user: Transport in bulk according to Annex II of MARPOL and the IBC code: Other information: Classification for other modes of transport: 15: Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture: Regional safety, health and environmental regulations specific for the product in question: USA SARA Components (such as 302/311/313): USA Massachusetts Right to Know:	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. The product is not covered by these regulations. No. None known. Not applicable. The product is not considered a dangerous good for transport. Contact supplier. . USDA OSHA - Formaldehyde Standard Subpart Z 1910.1048. Formaldehyde is listed on 302, 304, 313, and RCRA code U122. Methanol is listed on 313 and RCRA code U122. Formaldehyde and methanol are listed.
14.1 14.2 14.3 14.4 14.5 14.5a 14.5b 14.6 14.7 14.7a 14.7a 14.7b Section	UN number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Is it environmentally dangerous according to UN Model Regulations (IMDG Code, ADR, RID, and ADN)?: Is it a marine pollutant according to the IMDG code?: Special precautions for user: Transport in bulk according to Annex II of MARPOL and the IBC code: Other information: Classification for other modes of transport: n 15: Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture: Regional safety, health and environmental regulations specific for the product in question: USA SARA Components (such as 302/311/313):	Not applicable. Not applicable. Not applicable. Not applicable. The product is not covered by these regulations. No. None known. Not applicable. The product is not considered a dangerous good for transport. Contact supplier. . USDA OSHA - Formaldehyde Standard Subpart Z 1910.1048. Formaldehyde is listed on 302, 304, 313, and RCRA code U122. Methanol is listed on 313 and RCRA code U122.

Fixative SDS; Doc#F17-536-2-D; Effective: 5/12/17; Supersedes: F17-536-2-C; Page 7 of 8

15.1g	EU Regulation 1907/2006 {REACH}:	
15.1h	Annex XIV substances subject to authorization:	Formaldehyde is listed.
15.1i	Substances of very high concern:	Fixative is not listed.
15.1j	Approved code of practice:	Classification and labeling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.
15.1k	Guidance notes:	Workplace exposure limits EH40.
15.11	EU legislation references:	 (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures {CLP Regulation}. EC 830/2015. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.
15.2	Chemical safety assessment:	Not required.
15.2a	Other regulatory information:	None.

16.1	Other information:	
16.1a	Date of revision:	12-May-2017
16.1b	SDS number and revision:	F17-536-2-D
16.1c	Supersedes SDS number and revision:	F17-536-2-C
16.1d	Changes made to the previous version of the SDS:	Reviewed and updated document control numbers. Minor changes were made (corrected typos deleted redundant information, etc.).
16.1e	version of the SDS: Key/legend to abbreviations and acronyms used in the SDS:	ACGIH American Conference of Governmental Industrial Hygienists. ADN European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway. ADE The European Agreement concerning the International Carriage of Dangerous Goods by Road. ATE Acute Toxicity Estimate. BCF Bio Concentration Factor. CAS Chemical Abstracts Service. CLP Classification, Labelling and Packaging. CMR Carcinogen, Mutagen or Reproductive toxicant. COD Chemical Oxygen Demand. EC European Commission. EC50 Half maximal effective concentration. EH40 Resource containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations. EINECS European Inventory of Existing Commercial chemical Substances. EU European Union. GH5 Globally Harmonized System of Classification and Labelling of Chemicals. H Statement GHS Hazard statement. IATA International Air Transport Association. IBC Intermediate Bulk Container. IC50 Half maximal inhibitory concentration. IMDG International Maritime Dangerous Goods. LC50 Median lethal dose. LogPow logarithm of the octanol/water partition coefficient. MARPOL 73/78 International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. OEL Occupational Safety and Health Administration (USA). PBT Persistent, Bioaccumulative, and Toxic. PEL Permissible Exposure Limit. OSHA Occupational Safety and Health Administration Act. SAPA Superfund Amendments and Reauthorization Act. SAPA Superfund Amendments and Reauthorization Act. SAPA Superfund Amendments and Reauthorization Act. SCBS Safety Data Sheet. STOT-RE Specific Target Organ Toxicity. STOT-RE Specific Target Organ Toxicity - Repeated Exposure. STOT-SE Specific Target Organ Toxicity - Single Exposure. STOT-SE Specific Target Organ Toxicity - Single Exposure. UN United Nations.
16.1f	Full text of hazard statements and/or precautionary	vPvB very Persistent very bioaccumulative. All statements were written out in full.
	statements not written out in full elsewhere:	

<u>Fi</u> :	xative SDS; Doc#F17-536-2-D; Effective: 5/12/17; Supersedes: F17-536-2-C; Page 8 of 8
DISCLAIMER:	This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.
	END OF SDS