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

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		P280 Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue
		rinsing. P308+P313 If exposed or concerned: Get medical advice/attention. P310 Immediately call a doctor.
		P314 Get medical advice/attention if you feel unwell.
		P321 Specific treatment (see first aid instructions on this label).
		P332+P313 - If skin irritation occurs: Get medical advice/attention.
		P362 Take off contaminated clothing.
		P363 Wash contaminated clothing before reuse.
		P405 Store locked up.
		P501 Dispose of contents/container in accordance with all local,
		regional, national and international regulations.
2.2h	Supplementary precaution statements:	None.
2.3	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:	None under normal conditions.

Section 3: Composition/information on ingredients

3.1	Substance:		Item is a mixture th	erefore Section 3.1 is not applicable; see Section
			3.2.	
3.2	Mixture:		Item is a mixture.	
	The chemical identity and c	concentration or		
	concentration ranges of all			
	hazardous and are present	above their cut-off levels:		
	3.2a Chemical identity:		Diethanolamine	
	3.2b Common name, synor	nyms, etc.:	C ₄ H ₁₁ NO ₂	
	3.2c CAS number and		<u>3.2e %</u>	3.2f Classification according to (EC) No.
	other unique identifiers:	3.2d EC number:	Concentration:	<u>1272/2008 {CLP}:</u>
	111-42-2	203-868-0	7-13%	Acute Tox. 4 H302 Harmful if swallowed.
				Skin Irrit. 2 H315 Causes skin irritation.
				Eye Dam. 1 H318 Causes serious eye damage.
				Carc. 2 H351 Suspected of causing cancer.
				STOT RE 2 H373 May cause damage to organs
				through prolonged or repeated exposure.
				Aquatic Chronic 2 H411 Toxic to aquatic life with
				long lasting effects.

3.	.2g	Other ingredient:			
	-	3.2h Chemical identity:		Hydrogen chloride	
		3.2i Common name, synon	yms, etc.:	HCI, Hydrochloric a	acid
		3.2j CAS number and		<u>3.2l %</u>	3.2m Classification according to (EC) No.
		other unique identifiers:	3.2k EC number:	Concentration:	<u>1272/2008 {CLP}:</u>
		7647-01-0	231-595-7	0.1-1%	Skin Irrit. 2 H315 Causes skin irritation.
					Eye Dam. 1 H318 Causes serious eye damage
					STOT RE 2 H373 May cause damage to organs
					through prolonged or repeated exposure.

3.2u Other information on the mixture: None.

Section 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:	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. Get medical attention if any discomfort continues.
4.1b	Skin contact:	Wash skin thoroughly with soap and water for several minutes; continue to rinse for at least 15 minutes. Remove 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 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

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attention if any discomfort continues

		attention if any discomfort continues.
4.2	Most important symptoms and effects, both acute	Causes skin irritation. Causes serious eye damage. May cause
	and delayed:	damage to organs (liver, kidneys) through prolonged or repeated
		exposure. Suspected of causing cancer.
4.2a	Inhalation:	May cause respiratory irritation.
4.2b	Skin contact:	Causes skin irritation.
4.2c	Eye contact:	Causes serious eye damage.
4.2d	Ingestion:	May cause gastrointestinal irritation.
4.3	Indication of any immediate medical attention and special treatment needed:	No additional information available.
4.3a	Notes to physician/first responder:	Treat symptomatically.
	n 5: Firefighting measures	L
5.1	Extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.
5.1a	Suitable extinguishing media:	Foam. Carbon dioxide. Dry powder. Water spray. Sand.
5.1b	Unsuitable extinguishing media:	Not 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:	Not known.
5.2b	Unusual fire & explosion hazards:	No dangerous reactions known under normal conditions of use.
5.2c	Protective measures in fire:	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
5.01		water in the environment.
5.3b	Special protective equipment and precautions for	Do not enter fire area without proper protective equipment, including
	firefighters:	respiratory protection. Wear self-contained breathing appartus and
		protective suit (see Section 8).
Sactio	n 6: Accidental release measures	
6.1	Personal precautions, protective equipment, and	
0.1	emergency procedures:	•
6.1a	General release measures:	No specific emergency measures are required other than good
0.14		laboratory hygiene and safety practices.
6.1b	Advice for non-emergency personnel; personal	Wear protective equipment as described in Section 8. Evacuate
	precautions, protective equipment and emergency	unnecessary personnel.
	procedures:	
6.1c	Advice for emergency responders; personal	Wear suitable protective clothing, gloves and eye or face protection.
	precautions, protective equipment and emergency	Approved supplied-air respirator, in case of emergency.
	procedures:	
6.2	Environmental precautions:	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.
6.3	Methods and materials for containment and	Do not discharge to public wastewater systems without permit of
	clean up:	pollution control authorities. No discharge to surface waters is allowed
		without an NPDES permit. Soak up spills with inert solids, such as clay
		or diatomaceous earth as soon as possible. Place in a suitable
		container for disposal in accordance with the waste regulations (see
		Section 13).
6.4	Reference to other sections:	Refer to Sections 8 and 13 for additional information.
		Refer to Sections 8 and 13 for additional information.
Section	n 7: Handling and storage	
		Do not handle until all safety precautions have been read and
Section	n 7: Handling and storage	Do not handle until all safety precautions have been read and understood. Use appropriate personal protection equipment (PPE).
Section 7.1	n 7: Handling and storage Precautions for safe handling:	Do not handle until all safety precautions have been read and understood. Use appropriate personal protection equipment (PPE). Keep away from sources of ignition.
Section	n 7: Handling and storage Precautions for safe handling: Prevent handling of incompatible substances or	Do not handle until all safety precautions have been read and understood. Use appropriate personal protection equipment (PPE).
Section 7.1 7.1a	n 7: Handling and storage Precautions for safe handling: Prevent handling of incompatible substances or mixtures:	Do not handle until all safety precautions have been read and understood. Use appropriate personal protection equipment (PPE). Keep away from sources of ignition. Not known.
Section 7.1	n 7: Handling and storage Precautions for safe handling: Prevent handling of incompatible substances or	Do not handle until all safety precautions have been read and understood. Use appropriate personal protection equipment (PPE). Keep away from sources of ignition. Not known. No smoking. Wash hands and other exposed areas with mild soap and
Section 7.1 7.1a 7.1b	n 7: Handling and storage Precautions for safe handling: Prevent handling of incompatible substances or mixtures: Advice on general occupational hygiene:	Do not handle until all safety precautions have been read and understood. Use appropriate personal protection equipment (PPE). Keep away from sources of ignition. Not known. No smoking. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Section 7.1 7.1a	n 7: Handling and storage Precautions for safe handling: Prevent handling of incompatible substances or mixtures: Advice on general occupational hygiene: Conditions for safe storage, including any	Do not handle until all safety precautions have been read and understood. Use appropriate personal protection equipment (PPE). Keep away from sources of ignition. Not known. No smoking. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Keep the container tightly closed. Store in a dry, cool and well-
Section 7.1 7.1a 7.1b	n 7: Handling and storage Precautions for safe handling: Prevent handling of incompatible substances or mixtures: Advice on general occupational hygiene:	Do not handle until all safety precautions have been read and understood. Use appropriate personal protection equipment (PPE). Keep away from sources of ignition. Not known. No smoking. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Keep the container tightly closed. Store in a dry, cool and well- ventilated place. Store away from light. Avoid elevated temperatures.
Section 7.1 7.1a 7.1b	n 7: Handling and storage Precautions for safe handling: Prevent handling of incompatible substances or mixtures: Advice on general occupational hygiene: Conditions for safe storage, including any incompatibilities:	Do not handle until all safety precautions have been read and understood. Use appropriate personal protection equipment (PPE). Keep away from sources of ignition. Not known. No smoking. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Keep the container tightly closed. Store in a dry, cool and well- ventilated place. Store away from light. Avoid elevated temperatures. (2-8°C)
Section 7.1 7.1a 7.1b 7.2	n 7: Handling and storage Precautions for safe handling: Prevent handling of incompatible substances or mixtures: Advice on general occupational hygiene: Conditions for safe storage, including any	Do not handle until all safety precautions have been read and understood. Use appropriate personal protection equipment (PPE). Keep away from sources of ignition. Not known. No smoking. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Keep the container tightly closed. Store in a dry, cool and well- ventilated place. Store away from light. Avoid elevated temperatures.
Section 7.1 7.1a 7.1b 7.2 7.3	n 7: Handling and storage Precautions for safe handling: Prevent handling of incompatible substances or mixtures: Advice on general occupational hygiene: Conditions for safe storage, including any incompatibilities: Specific end use(s): on 8: Exposure controls/personal protection	Do not handle until all safety precautions have been read and understood. Use appropriate personal protection equipment (PPE). Keep away from sources of ignition. Not known. No smoking. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Keep the container tightly closed. Store in a dry, cool and well- ventilated place. Store away from light. Avoid elevated temperatures. (2-8°C)
Section 7.1 7.1a 7.1b 7.2 7.3 Section 8.1	m 7: Handling and storage Precautions for safe handling: Prevent handling of incompatible substances or mixtures: Advice on general occupational hygiene: Conditions for safe storage, including any incompatibilities: Specific end use(s): m 8: Exposure controls/personal protection Control parameters:	Do not handle until all safety precautions have been read and understood. Use appropriate personal protection equipment (PPE). Keep away from sources of ignition. Not known. No smoking. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Keep the container tightly closed. Store in a dry, cool and well- ventilated place. Store away from light. Avoid elevated temperatures. (2-8°C) For research use only. Not for use in diagnostic procedures.
Section 7.1 7.1a 7.1b 7.2 7.3 Section	m 7: Handling and storage Precautions for safe handling: Prevent handling of incompatible substances or mixtures: Advice on general occupational hygiene: Conditions for safe storage, including any incompatibilities: Specific end use(s): m 8: Exposure controls/personal protection Control parameters: Occupational exposure limits, such as chemical	Do not handle until all safety precautions have been read and understood. Use appropriate personal protection equipment (PPE). Keep away from sources of ignition. Not known. No smoking. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Keep the container tightly closed. Store in a dry, cool and well- ventilated place. Store away from light. Avoid elevated temperatures. (2-8°C) For research use only. Not for use in diagnostic procedures.
Section 7.1 7.1a 7.1b 7.2 7.3 Section 8.1	n 7: Handling and storage Precautions for safe handling: Prevent handling of incompatible substances or mixtures: Advice on general occupational hygiene: Conditions for safe storage, including any incompatibilities: Specific end use(s): m 8: Exposure controls/personal protection Control parameters:	Do not handle until all safety precautions have been read and understood. Use appropriate personal protection equipment (PPE). Keep away from sources of ignition. Not known. No smoking. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Keep the container tightly closed. Store in a dry, cool and well- ventilated place. Store away from light. Avoid elevated temperatures. (2-8°C) For research use only. Not for use in diagnostic procedures.

	limit), etc.: WEL = Workplace Exposure Limit. Sk =	Oc# F17-3328-2-D; Effective: 06/08/2017; Supersedes: F17-3328-2-C; Page 4 of 8 OSHA PEL (TWA) (ppm) 3 ppm vacated.
	can be absorbed through skin.	
		Hydrogen chloride (7647-01-0):
		ACGIH Ceiling (ppm) 2 ppm.
		OSHA PEL (Ceiling) (mg/m ³) 7 mg/m ³ .
		OSHA PEL (Ceiling) (ppm) 5 ppm.
8.1b	Appropriate engineering controls:	Ensure adequate ventilation, especially in confined areas.
8.1c	Individual protection measures, such as personal	Wear gloves. Wear chemical goggles and face shield in combination.
	protective equipment:	Wear labcoat with full coverage clothing.
8.1d	Safety symbols:	
8.2	Exposure controls:	
8.2a	Process conditions:	Provide eyewash station.
8.2b	Engineering controls:	Local exhaust ventilation is recommended for providing adequate ventilation. Ensure that eyewash stations and safety showers are proximal to the workstation location.
8.2c	Ventilation controls:	Provide adequate ventilation.
8.2d	Reference to other sections:	Refer to section 5 for additional information.
8.2e	Eye/face protection:	Chemical goggles and face shield must be worn in combination.
8.2f	Skin protection:	Lab coat. Wear suitable protective clothing. Wear long sleeves.
8.2g	Hand protection:	Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol
8.2h	Respiratory equipment:	Iaminate, PVC or vinyl. Where excessive vapor, mist, or dust may result, use NIOSH approved respiratory protection equipment.
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.
	n 9: Physical and chemical properties	
9.1	Information on basic physical and chemical properties:	•
9.1a	Appearance (physical state, color, etc.):	Clear, light yellow, liquid with stabilizing pellets
9.1b	Odor:	Odorless.
9.1c	Odor threshold:	No data available.
9.1d	pH:	9.6-10.2
9.1e	Melting point/freezing point (°C):	No data available.
9.1f	Initial boiling point and boiling range:	No data available.
9.1g	Flash point (°C):	No data available.
9.1h	Evaporation rate:	No data available.
9.1i	Flammability (solid, gas):	No data available.
9.1j	Upper/lower flammability or explosive limits:	No data available.
9.1k	Vapor pressure:	No data available.
9.11	Vapor density (Air =1):	No data available.
9.1m	Relative density:	No data available.

9.2a	Other physical or chemical parameters:	No additional information available.			
Section 10: Stability and reactivity					
10.1	Reactivity:	No dangerous reactions known under normal conditions of use.			
10.2	Chemical stability:	Stable under recommended handling and storage conditions (see			
		Section 7).			
10.3	Possibility of hazardous reactions:	None known.			

Water: 100%

No data available.

No data available.

No data available.

No data available.

No additional information available.

Not explosive.

Not an oxidizer

Solubility(ies): Partition coefficient (N-octanol/water):

Auto-ignition temperature (°C):

Viscosity: Explosive properties:

Oxidizing properties:

Other information:

Decomposition temperature (°C):

9.1n

9.10

9.1p

9.1q

9.1r

9.1s

9.1t

9.2

10.4	Conditions to avoid:	Light. Elevated temperatures. Moisture.
10.5	Incompatible materials:	Strong oxidizing agents. Strong Acids. Some metals.
10.6	Hazardous decomposition products:	Hazardous fumes of nitrous oxides (NOx) and carbon oxides. Phosphorus oxides.
Sectior	n 11: Toxicological information	
11.1	Information on toxicological effects:	
11.1a	Name:	Diethanolamine;
		Hydrogen chloride
11.1b	Acute toxicity:	Diethanolamine (111-42-2):
		LD50 oral rat- 620 µl/kg. LD50 dermal rabbit 7640 µl/kg.
		ATE CLP (oral) 500.000 mg/kg body weight.
		Hydrogen chloride (7647-01-0):
		LD50 oral rat 700 mg/kg.
		LD50 dermal rabbit >5010 mg/kg. LC50 inhalation rat (ppm) 3124 ppm/1 h.
11.1c	Skin corrosion/irritation:	Causes skin irritation.
11.1d	Serious eye damage/irritation:	Causes serious eye damage.
11.1e	Respiratory or skin sensitization:	Not classified.
11.1f	Germ cell mutagenicity:	Not classified.
11.1g	Carcinogenicity:	Diethanolamine (111-42-2): IARC group- 2B - Possibly carcinogenic to
		humans.
11 11-	Depreductive toxicit ::	Hydrogen chloride (7647-01-0): IARC group 3 - Not classifiable.
<u>11.1h</u> 11.1i	Reproductive toxicity: STOT-single exposure:	Not classified. Not classified.
<u>11.11</u> 11.1j	STOT-single exposure:	May cause damage to organs (liver, kidneys) through prolonged or
		repeated exposure.
11.1k	Aspiration hazard:	Not classified
11.11	Information on the likely routes of exposure	
	(inhalation, ingestion, skin and eye contact):	
<u>11.1m</u>	Ingestion:	May cause gastrointestinal irritation.
11.1n	Inhalation:	May cause respiratory irritation.
<u>11.10</u> 11.1p	Skin contact: Eye contact:	Causes skin irritation. Causes serious eye damage.
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	Suspected of causing cancer. May cause damage to target organs.
	effects from short and long term exposure:	
11.1s	Numerical measures of toxicity (such as acute	Not determined.
11.1t	toxicity estimates): 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):	Not classified.
11.1y	Classification by International Agency for Research	Diethanolamine: Group 2B Possibly carcinogenic to humans.
	on Cancer (IARC):	
11.1z	Classification by OSHA 13:	Not classified.
11.1ab	Other information:	None.
Sectior	n 12: Ecological information	
12.1	Toxicity:	
12.1a	Name:	Diethanolamine;
		Hydrogen chloride.
12.1b	Ecotoxicity (aquatic and terrestrial, where available):	Diethanolamine;
		Acute EC50 12mg/l (96 hour) - Algae Fresh Water
		Acute LC50 28.8 mg/l (48 hour) - Crustacea Fresh Water Acute LC50 2.15mg/l (48 hour) - Daphnia Fresh Water
		Acute LC50 2.64 mg/l (48 hour) - Daphnia Fresh Water
		Acute LC50 775 mg/l (96 hour) - Fish Bluegill Fresh Water
12.2	Persistence and degradability:	Not established.
12.3	Bioaccumulative potential:	Diethanolamine: 1.43 Log Pow (Low)
12.4	Mobility in soil:	No additional information available.
12.5	Results of PBT and vPvB assessment:	No information available.
12.6	Other adverse effects:	Harmful to aquatic life with long lasting effects.
Section	n 13: Disposal considerations	
<u>3ection</u> 13.1	Waste treatment methods:	When handling waste, consideration should be made to the safety

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13.1a	Description of waste residues and information on	Do not discharge to public wastewater systems without permit of
	their safe handling and methods of disposal,	pollution control authorities. No discharge to surface waters is allowed
	including the disposal of any contaminated	without an NPDES permit. Dispose in a safe manner in accordance
	packaging:	with local/national regulations. Do not allow the product to be released
		into the environment.

Section	14: Transport information	
14.1	UN number:	Not applicable.
14.2	UN proper shipping name:	Not applicable.
14.3	Transport hazard class(es):	Not hazardous for transport.
14.4	Packing group:	Not applicable.
14.5	Environmental hazards:	
14.5a	Is it environmentally dangerous according to UN Model Regulations (IMDG Code, ADR, RID, and ADN)?:	No.
14.5b	Is it a marine pollutant according to the IMDG code?:	No.
14.6	Special precautions for user:	None.
14.7	Transport in bulk according to Annex II of MARPOL and the IBC code:	Not applicable.
14.7a	Other information:	None.
14.7b	Classification for other modes of transport:	Contact supplier.
Section	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:	All chemical substances in this product are listed in the EPA (Environmental Protection Agency) TSCA (Toxic Substances Control Act) Inventory. Diethanolamine (111-42-2): Listed on the United States TSCA (Toxic Substances Control Act) inventory; RQ (Reportable quantity, section 304 of EPA's List of Lists): 100 lb. Hydrogen chloride (7647-01-0): Listed on the United States TSCA (Toxic Substances Control Act) inventory; RQ (Reportable quantity, section 304 of EPA's List of Lists): 5000 lb; Canada: No additional information available.
15.1b	USA SARA Components (such as 302/311/313):	 SARA Section 311/312 Hazard Classes is: Delayed (chronic) health hazard immediate (acute) health hazard. Diethanolamine (111-42-2): SARA Section 311/312 Hazard Classes are: Immediate (acute) health hazard & delayed (chronic) health hazard. SARA Section 313 - Emission Reporting 1 % de minimis concentration. Hydrogen chloride (7647-01-0): Listed on United States SARA Section 313. SARA Section 302 Threshold Planning Quantity (TPQ): 500 lb. (gas only). SARA Section 313 - Emission Reporting: 1 % (acid aerosols including mists, vapors, gas, fog, and other airborne form of any particle size).
15.1c	USA Massachusetts Right to Know:	Diethanolamine (111-42-2) is listed on the U.S. Massachusetts Right To Know List. Hydrogen chloride (7647-01-0) is listed on the U.S. Massachusetts Right To Know List.
15.1d	USA Pennsylvania Right to Know:	Diethanolamine (111-42-2) is listed on the U.S. Pennsylvania Right To Know Environmental Hazard List. Hydrogen chloride (7647-01-0) is listed on the U.S. Pennsylvania Right To Know Environmental Hazard List.
15.1e	USA New Jersey Right to Know:	Diethanolamine (111-42-2) is listed on the U.S. New Jersey Right to Know Hazardous Substance List. Hydrogen chloride (7647-01-0) is listed on the U.S. New Jersey Right To Know Hazardous Substance List.
15.1f	USA California Prop. 65 Components:	This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity. Diethanolamine (111-42-2) is listed on the U.S. California Proposition 65 Carcinogens list.
15.1g	EU Regulation 1907/2006 {REACH}:	The product nor any components are identified.
15.1h	Annex XIV substances subject to authorization:	The product nor any components are identified.
15.1i	Substances of very high concern:	The product nor any components are identified.
15.1j	Approved code of practice:	Classification and labeling of substances and preparations dangerous

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		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.

Section 16: Other information

	Other information	
16.1	Other information:	
16.1a	Date of revision:	06/08/2017
16.1a 16.1b 16.1c 16.1d 16.1e	SDS number and revision: Supersedes SDS number and revision: Changes made to the previous version of the SDS: Key/legend to abbreviations and acronyms used in the SDS:	 F17-3328-2-D F17-3328-2-C Updated to comply with EC 1272/2008 CLP regulations, EC 830/2015. ACGIH American Conference of Governmental Industrial Hygienists. 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 List of Notified Chemical Substances. EUINCS 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 Median lethal concentration. LMDG International Maritime Dangerous Goods. LC50 Median lethal concentration. LOBO 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 Eafoysure Limit. RID The Regulations concerning the International Carriage of Dangerous Goods by Rail. SADT Self-Accelerating Decomposition Temperature. SARA Superfund Amendments and Reauthorization Act. SCS Asfery 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.
L		vPvB very Persistent very bioaccumulative.
16.1f	Full text of hazard statements and/or precautionary statements not written out in full elsewhere:	All statements were written out in full.
DISCLA	MMER: This information relates only to the specif	ic material designated and may not be valid for such material used
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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