Magic Red-(FR)2 SDS; Doc# F17-6131-5-C; Effective: 05/26/2017; Supersedes: F17-6131-5-B; Page 1 of 6



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

1.1	on 1: Identification of the su Product identifier:		MR-(FR) ₂	<u> </u>
I.1a	Other means of identification	<u></u>	1011X-(1-1X)2	
I.1b	Alternative produ	ct name(s)/ synonyms:		IR-FR, MR-(Phe-Arg) ₂ , Cresyl-violet-FR, Magic
			Red Cathepsin L su	IDStrate
1.1c	Product number/		6137, 6138	MD (Dha Ann) One and visited ED. Marris David
l.1d	Internal identifica	tion:		MR-(Phe-Arg) ₂ , Cresyl-violet-FR, Magic Red
.2	Relevant identified uses of	of the substance or	Cathepsin L substrate	
.2	mixture and uses advised		For research use only. Not for use in diagnostic procedures.	
I.2a	Brief description of what the		Enzyme substrate a	and cathepsin detection reagent.
	intended to do:			
.3	Details of the supplier of	the SDS:		
.3a	Name:			Technologies, LLC (ICT)
.3b	Address:		9401 James Avenu	
.3c	City, State, Zip, C	Country	Bloomington, MN 5	
.3d	Phone number:		1-800-829-3194 and	d 952-888-8788
.3e	Fax number:		952-888-8988	
.3f	Website:		www.immunochemi	
.3g	Email:		help@immunochem	
l.3h	Contact person a		Quality Documentat	
.4	Emergency telephone nu	mber:		94 (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	
	on 2: Hazards identification			
.1	Classification of the subs	tance or mixture:		
2.1a	Product is a:		Substance.	
2.1b	Classification according to	(EC) No. 1272/2008	Does not meet the	criteria for classification.
	{CLP}:			
2.1c	The most important advers		Refer to Sections 9-	-12.
	health, and environmental Label elements:	effects:	None.	
2.2 2.2a		ing proputionory	None.	
2.2a	GHS label elements, includ statements:	ing precautionary	None.	
2.2b	Contains:		None.	
2.2c	Labeling in accordance with	(EC) No. 1272/2008:	None.	
2.2d	Hazard Pictograms (Hazard			
2.2u 2.2e	Signal word:		None.	
2.26 2.2f	Hazard statements:		None.	
			None.	
2.2g	Precautionary statements:	atatamanta:		
2.2h	Supplementary precaution	รเลเยเทยแร:	None.	action available
2.3	Other hazards:		No additional inform	
2.3a	Does the chemical meet the		Not applicable.	labla
2.3b	Other hazards which do no	result in classification:	No information avai	
Sectio	on 3: Composition/informat	on on ingredients		
6.1	Substance:	on on ingreatents	Item is a substance	
	3.1a Chemical identity:		MR-(FR) ₂	
	3.1b Common name, synor	yms etc.	None.	
	3.1c CAS number and		3.1e %	3.1f Classification according to (EC) No.
	other unique identifiers:	3.1d EC number:	<u>Concentration:</u>	<u>1272/2008 {CLP}:</u>
	None.	None.	100%	Not classified.
	Tione.		10070	
3.1g	Chemical identity of any impurity, stabilizing additive,		None known.	
	or individual constituent oth			
	constituent, which is itself classified and which contributes to the classification (such as product			
	identifier, trade name, iden			
3.1h			None.	
3.1h Other information on the substar			Nono.	

	on 4: First aid measures	1
4.1	Description of first aid measures:	If concerned, get medical attention/advice and provide physician with SDS information. Wash contaminated clothing before re-use. Never give anything 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. 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 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 medica 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.
4.20 4.2c	Eye contact:	May cause temporary eye irritation.
4.20 4.2d	Ingestion:	May cause discomfort if swallowed.
4.20 4.3	Indication of any immediate medical attention and	No specific first aid measures noted, but first aid may still be required
4.3	special treatment needed:	in case of accidental exposure, inhalation, or ingestion of this product.
		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.
Sectio	on 5: Firefighting measures	
5.1	Extinguishing media:	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:	None known.
5.2	Special hazards arising from the substance or mixture:	Product is not explosive. No dangerous reactions known under norma conditions of use.
5.2a	Hazardous combustion products:	In case of fire, toxic gases may be formed of carbon monoxide (CO), carbon dioxide (CO ₂ ; CO _x). 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.
5.3a	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.
	on 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).

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6.2		Ctive: 05/26/2017; Supersedes: F17-6131-5-B; Page 3 of 6
6.2 6.3	Environmental precautions: Methods and materials for containment and	Do not allow to enter drains, sewers, or watercourses.
6.3		Contain any spills with dikes or absorbent materials to prevent
	clean up:	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.
6.4	Reference to other sections:	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.
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	Avoid contact with strong acids and strong oxidizers.
	mixtures:	
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	Refer to product label. Store in cool place. Keep container tightly
	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.
Oradia		
	n 8: Exposure controls/personal protection	
8.1 8.1a	Control parameters: Occupational exposure limits, such as chemical	Not available.
0.1a	identity, standard, TWA-8 hours (time weighted	Not available.
	average), STEL-15 minutes (short term exposure	
	limit), etc.: WEL = Workplace Exposure Limit. Sk =	
	can be absorbed through skin.	
8.1b	Appropriate engineering controls:	
8.1c	Individual protection measures, such as personal	Wear gloves, protective goggles, and lab coat.
0.10	protective equipment:	wear gioves, protective goggies, and lab coat.
8.1d	Safety symbols:	
0.10	Salety 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	Reference to other sections:	Refer to Section 5 for additional information.
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.
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
0.0:	Other protection:	(US) or CEN (EU).
8.2i	Other protection:	Wear appropriate clothing to avoid skin contact. DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift
8.2j	Hygiene measures:	
		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
8.2k	Thermal hazards:	promptly with soap and water if skin becomes contaminated None known under normal conditions of use.
<u>ө.2к</u> 8.2I	Environmental exposure controls:	Not determined.
0.21		
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9.1	n 9: Physical and chemical properties Information on basic physical and chemical	•
2.4.5	properties:	Davudar duat
9.1a 9.1b	Appearance (physical state, color, etc.): Odor:	Powder, dust.
9.10 9.1c	Odor threshold:	No characteristic odor. Not determined.
9.10 9.1d	pH:	Not determined.
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):	Not determined.
9.1j	Upper/lower flammability or explosive limits:	Not determined.
9.1k	Vapor pressure:	Not applicable.
9.11	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.
9.1q	Decomposition temperature (°C):	Not determined.
9.1r	Viscosity:	Not determined.
9.11 9.1s	Explosive properties:	Not determined.
9.1t	Oxidizing properties:	Not determined.
).2	Other information:	None.
).2a	Other physical or chemical parameters:	None.
	n 10: Stability and reactivity	No doto ovoiloblo
0.1	Reactivity:	No data available.
10.2	Chemical stability:	Stable under normal temperature conditions.
0.3	Possibility of hazardous reactions:	Hazardous polymerization: no data available.
0.4	Conditions to avoid:	To avoid product degradation, avoid exposure to high temperatures of
		direct sunlight or light.
0.5	Incompatible materials:	No data available.
10.0	Hazardous decomposition products:	None under normal conditions.
	n 11: Toxicological information	
Section	n 11: Toxicological information Information on toxicological effects:	
Sectio 1 1.1 11.1a	n 11: Toxicological information Information on toxicological effects: Name:	MR-(FR)2
Sectio 1 1.1 11.1a 11.1b	n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity:	MR-(FR) ₂ Not determined.
Section 11.1 11.1a 11.1b 11.1c	n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation:	MR-(FR) ₂ Not determined. Not determined.
Section 11.1 11.1a 11.1b 11.1c 11.1d	n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation:	MR-(FR) ₂ Not determined. Not determined. Not determined.
Section 11.1 11.1a 11.1b 11.1c 11.1c 11.1d 11.1e	n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Respiratory or skin sensitization:	MR-(FR) ₂ Not determined. Not determined. Not determined. Not determined.
Section 1.1 1.1a 1.1b 1.1c 1.1c 1.1d 1.1e 1.1f	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:	MR-(FR) ₂ Not determined. Not determined. Not determined. Not determined.
Section 11.1 11.1a 11.1b 11.1c 11.1c 11.1d 11.1e 11.1f 11.1g	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:	MR-(FR) ₂ Not determined. Not determined. Not determined. Not determined. Not determined. Not determined.
Section 11.1 11.1a 11.1b 11.1c 11.1d 11.1d 11.1f 11.1g 11.1h	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:	. MR-(FR)2 Not determined.
Section 1.1 1.1a 1.1b 1.1c 1.1d 1.1d 1.1e 1.1f 1.1g 1.1h 1.1i	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:	. MR-(FR)2 Not determined.
Section 1.1 1.1a 1.1b 1.1c 1.1d 1.1c 1.1d 1.1d 1.1f 1.1f 1.1f 1.1h 1.1i 1.1i 1.1j	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:	. MR-(FR)2 Not determined.
Section 1.1 1.1a 1.1b 1.1c 1.1c 1.1c 1.1d 1.1c 1.1d 1.1f 1.1g 1.1h 1.1i 1.1i 1.1k	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:	. MR-(FR)2 Not determined.
Section 1.1 1.1a 1.1b 1.1c 1.1c 1.1c 1.1d 1.1c 1.1d 1.1f 1.1g 1.1h 1.1i 1.1i 1.1k	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	. MR-(FR)2 Not determined.
Section 11.1 11.1a 11.1b 11.1c 11.1c 11.1d 11.1d 11.1f 11.1f 11.1f 11.1f 11.1h 11.1i 11.1k 11.1k 11.1l	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:	. MR-(FR)2 Not determined.
Section 11.1 11.1a 11.1b 11.1c 11.1c 11.1d 11.1d 11.1f 11.1f 11.1f 11.1f 11.1h 11.1i 11.1k 11.1k 11.1l	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	. MR-(FR)2 Not determined.
Section 1.1 1.1a 1.1b 1.1c 1.1c 1.1d 1.1d 1.1d 1.1d 1.1f 1.1g 1.1h 1.1i 1.1j 1.1k 1.1l 1.1k 1.1l	n 11: Toxicological information Information on toxicological effects: Name: Acute toxicity: Skin corrosion/irritation: Serious eye damage/irritation: Serious eye damage/irritation: Respiratory or skin sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: STOT-single exposure: STOT-repeated exposure: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):	. MR-(FR)2 Not determined. May enter by skin and/or eye contact; inhalation of vapors/mist/dust. May cause discomfort if swallowed.
Section 1.1 1.1a 1.1b 1.1c 1.1c 1.1d 1.1c 1.1d 1.1d 1.1f 1.1f 1.1f 1.1f 1.1k 1.1k 1.1k 1.1k 1.1k	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: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion:	. MR-(FR)2 Not determined. Nay cause discomfort if swallowed. In high concentrations, dust may irritate throat and respiratory system
Section 1.1 1.1a 1.1b 1.1c 1.1d 1.1c 1.1d 1.1d 1.1d 1.1d 1.1f 1.1f 1.1f 1.1j 1.1k 1.1l 1.1k 1.1l 1.1k 1.1l 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d 1.1d	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: STOT-repeated exposure: Aspiration hazard: Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Ingestion: Inhalation:	. MR-(FR)2 Not determined. In high concentrations, dust may irritate throat and respiratory syster and cause coughing
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Magic Red-(FR)2 SDS; Doc# F17-6131-5-C; Effective: 05/26/2017; Supersedes: F17-6131-5-B; Page 5 of 6

	n 12: Ecological information	
12.1	Toxicity:	
12.1a	Name:	MR-(FR) ₂ .
12.1b	Ecotoxicity (aquatic and terrestrial, where available):	Not determined.
2.2	Persistence and degradability:	There are no data on the degradability of this product.
2.3	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.
Section	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	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, recyclin
	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.
	n 14: Transport information	1
4.1	UN number:	Not applicable.
4.2	UN proper shipping name:	Not applicable.
4.3	Transport hazard class(es):	Not applicable.
4.4	Packing group:	Not applicable.
4.5	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.
4.7	Transport in bulk according to Annex II of MARPOL and the IBC code:	Not applicable.
14.70		The product is not considered a depression could for transport
14.7a	Other information:	The product is not considered a dangerous good for transport.
14.7b	Classification for other modes of transport:	Contact supplier.
15.1	n 15: Regulatory information 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:	None known.
15.1b	regulations specific for the product in question.	
	USA SARA Components (such as 302/311/313):	Not listed.
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15.1c	USA SARA Components (such as 302/311/313):	
15.1c 15.1d	USA SARA Components (such as 302/311/313): USA Massachusetts Right to Know:	Not 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: USA California Prop. 65 Components:	Not listed. Not listed.
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16.1d	Change	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.	
	the SD		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.	
ļ			UN United Nations.	
ļ			USA United States of America.	
			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:		
DISCLA	AIMER:		ic material designated and may not be valid for such material used	
			r in any process. Such information is, to the best of the company's	
			le as of the date indicated. However, no warranty guarantee or	
			reliability, or completeness. It is the user's responsibility to satisfy	
		himself as to the suitability of such inforn	nation for his own particular use.	