MasterSeal 581 prl gry

Version 1.1	Revision Date: 07/19/2021	SDS Number: 00000026145	Date of last issue: 07/19/2021 Date of first issue: 07/19/2021
SECTIO	N 1. IDENTIFICATION		
Proc	duct name	: MasterSea	al 581 pri gry
Proc	duct code	: 00000000	0050354711 000000000050354711
Mar	nufacturer or supplier's	details	
Con	npany name of supplier	: Master Bu	ilders-Admixtures US,LLC
Add	Address		AGRIN BLVD d OH 44122
Eme	ergency telephone	: ChemTel:	+1-813-248-0585
Rec	ommended use of the	chemical and re	strictions on use
Rec	ommended use	: Product fo	r construction chemicals
Res	trictions on use	: Reserved	for industrial and professional use.
	onal Emergency phone Number	: USA: +1·	800-255-3924 ChemTel contract no. MIS9240420

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin irritation	:	Category 2
Serious eye damage	:	Category 1
Carcinogenicity (Inhalation)	:	Category 1A
Specific target organ toxicity - single exposure	:	Category 3 (Respiratory system)
Specific target organ toxicity - repeated exposure (Inhala- tion)	:	Category 1 (Lungs)
Specific target organ toxicity - repeated exposure (Inhala- tion)	:	Category 2 (Kidney, Immune system)
GHS label elements Hazard pictograms	:	
Signal Word	:	Danger

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Hazar	rd Statements	H335 May caus H350 May caus H372 Causes d repeated expos H373 May caus	erious eye damage. e respiratory irritation. e cancer by inhalation. amage to organs (Lungs) through prolonged or
Preca	utionary Statements	Prevention:	
		P202 Do not ha and understood P260 Do not bro P264 Wash skir P270 Do not ea P271 Use only	ecial instructions before use. ndle until all safety precautions have been read eathe dust/ fume/ gas/ mist/ vapors/ spray. n thoroughly after handling. t, drink or smoke when using this product. putdoors or in a well-ventilated area. ective gloves/ protective clothing/ eye protection
		Response:	
		P304 + P340 + and keep comfor doctor if you fee P305 + P351 + water for severa and easy to do. CENTER/ doctor P308 + P313 IF attention. P332 + P313 If tion. P362 Take off o	P338 + P310 IF IN EYES: Rinse cautiously with al minutes. Remove contact lenses, if present Continue rinsing. Immediately call a POISON
		Storage:	
		P403 + P233 Si tightly closed. P405 Store lock	ore in a well-ventilated place. Keep container
		Disposal:	
		-	f contents/ container to an approved waste dis-
	hazards		
	nbination with water, re burns.	peated or prolonged (dermal exposure can cause moderate to severe

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components

Chemical name	CAS-No.	Concentration (% w/w)
Cement, portland, chemicals	65997-15-1	>= 30 - < 50

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	Illine silica		14808-60-7		>= 30 - < 50
	um dihydroxide		1305-62-0		>= 1 - < 5
	um dioxide I concentration is withhe		13463-67-7		>= 1 - < 5
	4. FIRST AID MEASUR				
CHON	4. FIRST AID MEASUR	ES			
Gene	ral advice		irst aid personnel emove contamina		uld pay attention to their own safety. clothing.
lf inha	led	K If	fter inhalation of o eep patient calm, difficulties occur: eek medical atter	rem	ove to fresh air.
In cas	e of skin contact	a U	nd soap. Inder no circumsta	ance	wash immediately with plenty of wate es should organic solvent be used. ek medical attention.
In cas	e of eye contact	to m	20 minutes. Ren ninutes, then conti	nove nue	use slowly and gently with water for 15 e contact lenses, if present, after first 5 rinsing. , consult a specialist.
lf swa	llowed	s D	eek medical atten	tion.	th and then drink 200-300 ml of water unless told to by a poison control cer
	important symptoms ffects, both acute and ed	C M C e C C M M C	xposure if inhaled auses skin irritatio auses serious eyo lay cause respirat lay cause cancer	e da tory org on. e da tory by ir	irritation. ans through prolonged or repeated mage. irritation.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Foam Water spray Dry powder Carbon dioxide (CO2) Product itself is non-combustible. Only the packaging materi- als can catch fire. The extinguishing agents normally used are sufficient.
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	Unsuita media	able extinguishing	:	water jet	
	Specifi fighting	c hazards during fire	:		nbustible or explosive. mposition products may be a hazard to
	Hazaro ucts	lous combustion prod-	:	harmful vapours	
	Furthe	· information	:	surrounding areas The degree of risk the fire conditions Dispose of fire de	on-combustible; fire extinguishing method of s must be considered. < is governed by the burning substance and bris and contaminated extinguishing water in official regulations.
	•	l protective equipment fighters	:	Wear self-contain protective clothing	ed breathing apparatus and chemical- J.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	:	Avoid dust formation. Avoid contact with skin and eyes. Use personal protective clothing. Handle in accordance with good building materials hygiene and safety practice.
Environmental precautions	:	Do not discharge into drains/surface waters/groundwater.
Methods and materials for containment and cleaning up	:	Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Rinse with plenty of water. Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	No special precautions necessary.
Advice on safe handling	:	Avoid dust formation. Avoid inhalation of dusts. Avoid contact with skin and eyes. The Cement contained in this product reacts alkaline when in contact with water or humidity. This may cause severe irrita- tion of skin or mucous membranes. The humidity of the skin or mucous membranes is enough for this reaction. Prolonged direct contact to the dry product should be avoided therefore. Pour downwind and allow as little free fall as possible while emptying bags into equipment. Breathing must be protected when large quantities are de- canted without local exhaust ventilation.

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	er information on stor- onditions	: C	ontainers shoul	d be stored tightly sealed in a dry place.	
Mater	rials to avoid	: N	o applicable inf	ormation available.	

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Calcium dihydroxide	1305-62-0	TWA value	5 mg/m3	ACGIHTLV
		REL value	5 mg/m3	NIOSH
		PEL (Respir-	5 mg/m3	29 CFR
		able fraction)	-	1910.1000
				(Table Z-1)
		PEL (Total	15 mg/m3	29 CFR
		dust)		1910.1000
				(Table Z-1)
		TWA value	5 mg/m3	29 CFR
				1910.1000
				(Table Z-1-A)
		TWA	5 mg/m3	ACGIH
		TWA	5 mg/m3	NIOSH REL
		TWA (total	15 mg/m3	OSHA Z-1
		dust)		
		TWA (respir-	5 mg/m3	OSHA Z-1
		able fraction)		
		TWA	5 mg/m3	OSHA P0
calcium oxide	1305-78-8	TWA	2 mg/m3	ACGIH
		TWA	2 mg/m3	NIOSH REL
		TWA	5 mg/m3	OSHA Z-1
		TWA	5 mg/m3	OSHA P0
Iron oxide	1309-37-1	TWA (Res-	5 mg/m3	ACGIH
		pirable par-		
		ticulate mat-		
		ter)		
		TWA (dust	5 mg/m3	NIOSH REL
		and fume)	(Iron)	
		TWA	10 mg/m3	OSHA Z-1
		(Fumes)		
		TWA (total	15 mg/m3	OSHA Z-1
		dust)		
		TWA (respir-	5 mg/m3	OSHA Z-1
		able fraction)		
		TWA (Fumes)	10 mg/m3	OSHA P0
magnesium oxide	1309-48-4	TWA (Inhal-	10 mg/m3	ACGIH
2		able particu-	Ĭ	
		late matter)		
		TWA (fume,	15 mg/m3	OSHA Z-1
		total particu-	, č	

Ingredients with workplace control parameters

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		I		1	I
			late)		
			TWA (Fume - total particu- late)	10 mg/m3	OSHA P0
Limes	stone	1317-65-3	REL value (Respirable)	5 mg/m3	NIOSH
			REL value (Total)	10 mg/m3	NIOSH
			PEL (Respir- able fraction)	5 mg/m3	29 CFR 1910.1000 (Table Z-1
			PEL (Total dust)	15 mg/m3	29 CFR 1910.1000 (Table Z-1
			TWA value (Respirable fraction)	5 mg/m3	29 CFR 1910.1000 (Table Z-1
			TWA value (Total dust)	15 mg/m3	29 CFR 1910.1000 (Table Z-1
			TWA (total dust)	15 mg/m3	OSHA Z-1
			TWA (respir- able fraction)	5 mg/m3	OSHA Z-1
			TWA (Total dust)	15 mg/m3	OSHA P0
			TWA (respir- able dust fraction)	5 mg/m3	OSHA P0
			TWA (Res- pirable)	5 mg/m3 (Calcium car- bonate)	NIOSH RI
			TWA (total)	10 mg/m3 (Calcium car- bonate)	NIOSH RI
Gypsı	um (Ca(SO4).2H2O)	13397-24-5	TWA (Res- pirable)	5 mg/m3	NIOSH RI
			TWA (total)	10 mg/m3	NIOSH RI
			TWA (total dust)	15 mg/m3	OSHA Z-1
			TWA (respir- able fraction)	5 mg/m3	OSHA Z-1
			TWA (Total dust)	15 mg/m3	OSHA P0
			TWA (respir- able dust fraction)	5 mg/m3	OSHA P0
			TWA (Inhal- able particu- late matter)	10 mg/m3 (Calcium)	ACGIH
Titani	um dioxide	13463-67-7	TWA (total dust)	15 mg/m3	OSHA Z-1
			TWA (Total dust)	10 mg/m3	OSHA P0

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			TWA	10 mg/m3 (Titanium dioxide)	ACGIH	
Quart	z (SiO2)	14808-60-7	TWA (Res- pirable dust)	0.05 mg/m3	OSHA Z-	
			TWA (respir- able)	10 mg/m3 / %SiO2+2	OSHA Z-	
			TWA (respir- able)	250 mppcf / %SiO2+5	OSHA Z-:	
			TWA (respir- able dust fraction)	0.1 mg/m3	OSHA PO	
			TWA (Res- pirable par- ticulate mat- ter)	0.025 mg/m3 (Silica)	ACGIH	
			PEL (respir- able)	0.05 mg/m3	OSHA CA	
_			TWA (Res- pirable dust)	0.05 mg/m3 (Silica)	NIOSH R	
Ceme	nt, portland, chemicals	65997-15-1	TWA value (Respirable fraction)	1 mg/m3	ACGIHTL	
			REL value (Total)	10 mg/m3	NIOSH	
			REL value (Respirable)	5 mg/m3	NIOSH	
			PEL (Total dust)	15 mg/m3	29 CFR 1910.100 (Table Z-	
			PEL (Respir- able fraction)	5 mg/m3	29 CFR 1910.100 (Table Z-	
			TWA value (Total dust)	10 mg/m3	29 CFR 1910.100 (Table Z-	
			TWA value (Respirable fraction)	5 mg/m3	29 CFR 1910.100 (Table Z-	
			TWA value	50 millions of particles per cubic foot of air	29 CFR 1910.100 (Table Z-	
			TWA (Res- pirable par- ticulate mat- ter)	1 mg/m3	ÂCGIH	
			TWA (Res- pirable)	5 mg/m3	NIOSH R	
			TWA (total) TWA (total	10 mg/m3 15 mg/m3	NIOSH R OSHA Z-	
			dust) TWA (respir-	5 mg/m3	OSHA Z-	
			able fraction) TWA (Total dust)	10 mg/m3	OSHA PO	

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				TWA (respir- able dust fraction)	5 mg/m3	OSHA PO	
				TWA (Dust)	50 Million parti- cles per cubic foot	OSHA Z-	
Engir	neering measures	:	No applicable	information ava	ilable.		
Perso	onal protective equip	ment					
Resp	iratory protection			tection if dusts a H-certified (or eq	re formed. quivalent) particulate	respirator.	
Hand	protection						
Re	emarks				gloves Manufacturer ved because of great		
Eye p	protection	:	Tightly fitting safety goggles (chemical goggles).				
Skin a	and body protection		Body protection must be chosen based on level of activity and exposure.				
Prote	ctive measures		Avoid contact with the skin, eyes and clothing. Avoid inhalation of dusts. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building materials hygiene and safety practice.				
Hygie	ne measures		Hands and/or the end of the At the end of t care agents a Gloves must t Replace if neo Remove conta	shift. the shift the skin pplied. be inspected reg cessary (e.g. pin	washed before break should be cleaned a jularly and prior to ea hole leaks). g immediately and cl	nd skin- ch use.	

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: powder	
Color	: various colours	
Odor	: earthy	
рН	: slightly alkaline	
Melting temperature	: No data available	

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	Boiling	point	:	No applicable inf	ormation available.		
	Flash p	oint	:	: Not applicable			
	Evapor	ation rate	:	No applicable information available.			
	Flamma	ability (solid, gas)	:	not determined			
	Self-ign	ition	:	not self-igniting			
		explosion limit / Upper bility limit	:	No applicable inf	ormation available.		
		explosion limit / Lower bility limit	:	No applicable inf	ormation available.		
	Vapor p	pressure	:	No applicable inf	ormation available.		
	Relative	e vapor density	:	No applicable inf	ormation available.		
	Relative	e density	:	2.70			
	Density	,	:	Not applicable			
	Bulk de	nsity	:	1,800 - 2,400 kg/	m3		
	Solubili Wat	ty(ies) er solubility	:	No data available)		
	Solu	bility in other solvents	:	No applicable inf	ormation available.		
	Partition octanol	n coefficient: n- /water	:	No applicable inf	ormation available.		
	Autoign	ition temperature	:	No applicable inf	ormation available.		
	Decom	position temperature	:	No decompositio scribed/indicated	n if stored and handled as pre-		
	Viscosi Visc	ty osity, dynamic	:	No data available	э.		
	Visc	osity, kinematic	:	No applicable inf	ormation available.		
	Explosi	ve properties	:	Not explosive Not explosive			
	Oxidizir	ng properties	:	Based on its stru as oxidizing.	ctural properties the product is not classified		
	Self-heating substances		:	No data available			

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	Sublim	ation point	:	No applicable information available.		
	Molecular weight		:	No applicable information available.		
SEC	CTION 1	0. STABILITY AND RI	EAC	ΤΙVΙΤΥ		
	Reactiv	vity	:	: No hazardous reactions if stored and handled as pre- scribed/indicated.		
	Chemi	cal stability	:	The product is stable if stored and handled as pre- scribed/indicated.		
	Possib tions	ility of hazardous reac-	:	 Strong bases are formed on the addition of water. The product is stable if stored and handled as pre- scribed/indicated. 		
	Conditi	ions to avoid	:	Avoid dust formation. Avoid humidity.		
	Incomp	patible materials	:	: Strong bases Strong acids		
	Hazaro produc	lous decomposition ts	:	: No hazardous decomposition products if stored and handled as prescribed/indicated.		

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information. Not classified based on available information.

Product:

Acute oral toxicity	:	Remarks: No applicable information available.
Acute inhalation toxicity	:	Remarks: No applicable information available.
Acute dermal toxicity	:	Remarks: No applicable information available.

Skin corrosion/irritation

Causes skin irritation. Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye damage. Causes serious eye damage.

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Skin sensitization

Not classified based on available information.

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Respiratory sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Product:

Remarks

Chromate in this product has been reduced. Sensitization due to chromate within stated shelf-live is unlikely.

Germ cell mutagenicity

Not classified based on available information. Not classified based on available information.

Carcinogenicity

May cause cancer. May cause cancer by inhalation.

Reproductive toxicity

Not classified based on available information. Not classified based on available information.

STOT-single exposure

May cause respiratory irritation. May cause respiratory irritation.

STOT-repeated exposure

Causes damage to organs through prolonged or repeated exposure if inhaled. Causes damage to organs (Lung, Kidney, Immune system) through prolonged or repeated exposure if inhaled.

Causes damage to organs (Lungs) through prolonged or repeated exposure if inhaled. May cause damage to organs (Kidney, Immune system) through prolonged or repeated exposure if inhaled.

Aspiration toxicity

Not classified based on available information. Not classified based on available information.

Experience with human exposure

Product:

Skin contact

Remarks: In combination with water, repeated or prolonged dermal exposure can cause moderate to severe alkali burns.

Further information

Product:

Remarks

: Health injuries are not known or expected under normal use. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

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CTION	12. ECOLOGICAL INF	ORI	MATION	
Ecoto	oxicity			
Produ	uct:			
Ecoto	oxicology Assessment	t		
Acute	aquatic toxicity	:	This product has	no known ecotoxicological effects.
Chror	nic aquatic toxicity	:	This product has	no known ecotoxicological effects.
Persi	stence and degradabi	lity		
Produ	uct:			
Biode	gradability	:	Remarks: Not ap	plicable for inorganic substances.
Bioad	cumulative potential			
Produ	uct:			
Bioac	cumulation	:		oduct will not be readily bioavailable due to nd insolubility in water.
Mobi	lity in soil			
Produ	uct:			
	oution among environ- al compartments	:	particles is proba is not expected.	ing exposure to soil, adsorption to solid soil ble, therefore contamination of groundwate vill not evaporate into the atmosphere from e.
Other	adverse effects			
<u>Produ</u>	uct:			
Additi matio	onal ecological infor- n	:	The product has	e product into the environment without contr not been tested. The statements on ecotox n derived from the properties of the individu

SECTION 13. DISPOSAL CONSIDERATIONS

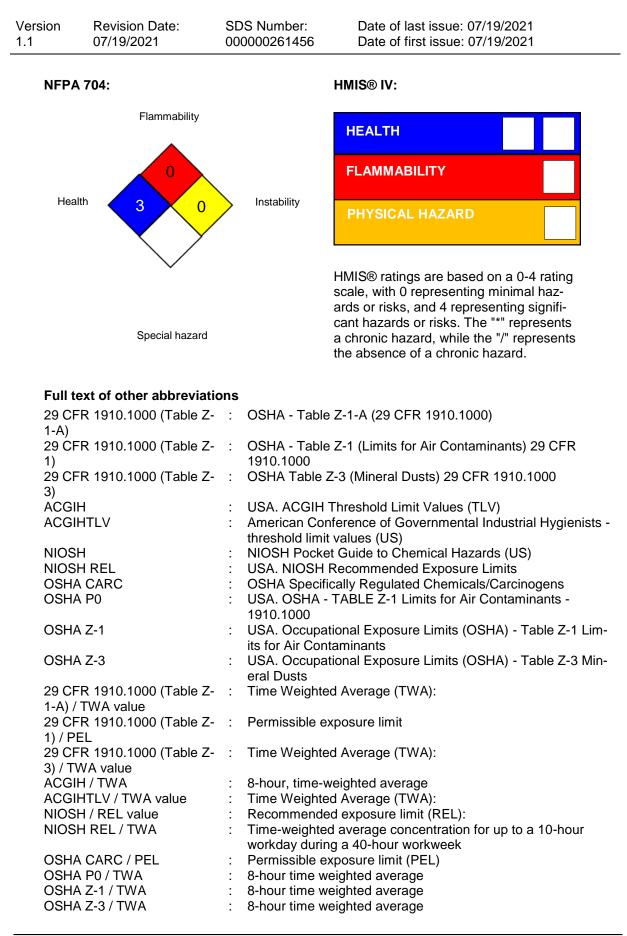
Disposal methods		
Waste from residues	:	Dispose of in accordance with local authority regulations. Do not discharge into drains/surface waters/groundwater.
Contaminated packaging	:	Completely emptied packagings can be given for recycling. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

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SECT	ION 14. TRANSPORT INFO	ORMATION	
Ir	nternational Regulations		
-	INRTDG lot regulated as a dangerou:	s good	
	ATA-DGR lot regulated as a dangerous	s good	
	MDG-Code lot regulated as a dangerous	s good	
	ransport in bulk according	-	ARPOL 73/78 and the IBC Code
D	Domestic regulation		
	9 CFR lot regulated as a dangerou:	s good	
SECT	ION 15. REGULATORY INI	FORMATION	
Т	he ingredients of this pro	duct are reported	in the following inventories:
D	DSL		contains one or more components not listed on n DSL or NDSL. All other components are on the SL.
Т	SCA	: On the inven	tory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Further information



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AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials: bw - Body weight: CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI -Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ -Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB -Very Persistent and Very Bioaccumulative

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

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