

Version 1.0	Revision Date: 07/30/2020		DS Number: 00000861829	Date of last issue: - Date of first issue: 07/30/2020
SECTION	1. IDENTIFICATION			
Produ	uct name	:	SikaEmaco-1060	DR Formerly MEmaco T 1060DR
Produ	uct code	:	000000000505	60903
Manu	ufacturer or supplier's	s deta	ails	
Com	pany name of supplier	:	Sika MBCC US I	LLC
Addre	ess	:	201 POLITO AV Lyndhurst NJ 07	—
Emer	gency telephone	:	ChemTel: +1-81	3-248-0585
Reco	mmended use of the	cher	nical and restrict	ions on use
Reco	mmended use	:	Product for cons	truction chemicals
Restr	ictions on use	:	Reserved for ind	ustrial and professional use.

#### **SECTION 2. HAZARDS IDENTIFICATION**

#### GHS classification in accordance with 29 CFR 1910.1200

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



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Hazar	rd Statements	H315 Causes s H335 May caus H350 May caus H373 May caus peated exposur	e respiratory irritation. e cancer. e damage to organs through prolonged or re- e. amage to organs through prolonged or repeate
Preca	utionary Statements	Prevention:	
		face protection. P201 Obtain sp P271 Use only P260 Do not br P202 Do not ha and understood P270 Do not ea	ecial instructions before use. outdoors or in a well-ventilated area. eathe dust or mist. ndle until all safety precautions have been read
		for several minu to do. Continue P304 + P340 IF keep comfortab P303 + P352 IF and water. P362 + P364 Ta reuse.	<sup>T</sup> INHALED: Remove person to fresh air and le for breathing. <sup>T</sup> ON SKIN (or hair): Wash with plenty of soap ake off contaminated clothing and wash it before <sup>T</sup> exposed or concerned: Call a POISON
		Storage:	tore in a well-ventilated place. Keep container
		tightly closed. P405 Store lock	
		Disposal:	
		P501 Dispose o	of contents/container to appropriate hazardous opoint.

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

: No applicable information available.

#### Components



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Cherr	nical name		CAS-No.	Concentration (% w/w)
Come	nt portland abamiaa	lo	65007 15 1	S-E (1)

Cement, portland, chemicals	65997-15-1	>= 5 - < 10
Quartz (SiO2)	14808-60-7	>= 50 - < 75
Calcium sulphate	7778-18-9	>= 5 - < 7
Silicon dioxide	7631-86-9	>= 0.3 - < 3

#### SECTION 4. FIRST AID MEASURES

General advice	:	Move out of dangerous area. Consult a physician. Show this material safety data sheet to the doctor in attend- ance. Do not leave the victim unattended.
If inhaled	:	Consult a physician after significant exposure. If unconscious, place in recovery position and seek medical advice.
In case of skin contact	:	If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.
In case of eye contact	:	<ul> <li>Small amounts splashed into eyes can cause irreversible tissue damage and blindness.</li> <li>In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.</li> <li>Continue rinsing eyes during transport to hospital.</li> <li>Remove contact lenses.</li> <li>Protect unharmed eye.</li> <li>Keep eye wide open while rinsing.</li> <li>If eye irritation persists, consult a specialist.</li> </ul>
If swallowed	:	Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.
Most important symptoms and effects, both acute and delayed	:	Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. May cause cancer. Causes damage to organs through prolonged or repeated exposure if inhaled. May cause damage to organs through prolonged or repeated exposure.
Notes to physician	:	Treat symptomatically.

#### SECTION 5. FIRE-FIGHTING MEASURES



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	Suitable	e extinguishing media	:	Water spray Foam Dry powder Carbon dioxide (C	:02)
	Unsuita media	ble extinguishing	:	High volume wate	r jet
	Specific fighting	c hazards during fire	:	Do not allow run-c courses.	off from fire fighting to enter drains or water
	Further	information	:	must not be disch Fire residues and	ted fire extinguishing water separately. This arged into drains. contaminated fire extinguishing water must accordance with local regulations.
	Special for fire-	protective equipment fighters	:	Wear self-containe essary.	ed breathing apparatus for firefighting if nec-

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures	:	Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Neutralize with acid. Keep in suitable, closed containers for disposal.

#### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.
Advice on safe handling	:	Avoid formation of respirable particles. Do not breathe vapors/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the ap- plication area. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations.
Conditions for safe storage	:	Keep container tightly closed in a dry and well-ventilated



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		Electrical ins	el precautions. stallations / working materials must comply with gical safety standards.
	her information on stor- conditions	: Containers s	should be stored tightly sealed in a dry place.
Mat	erials to avoid	Segregate fr	rom metals. rom acids and bases. rom oxidants. rom foods and animal feeds.
	her information on stor- stability	: No data ava	ilable.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
Silicon dioxide	7631-86-9	REL value	6 mg/m3	NIOSH
		TWA value	6 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA value	20 millions of particles per cubic foot of air	29 CFR 1910.1000 (Table Z-3)
		TWA value	0.8 mg/m3	29 CFR 1910.1000 (Table Z-3)
		TWA (Dust)	20 Million parti- cles per cubic foot (Silica)	OSHA Z-3
		TWA (Dust)	80 mg/m3 / %SiO2 (Silica)	OSHA Z-3
		TWA (Res- pirable dust)	0.05 mg/m3 (Silica)	NIOSH REL
		TWA	6 mg/m3 (Silica)	NIOSH REL
Calcium sulphate	7778-18-9	TWA value (Inhalable fraction)	10 mg/m3	ACGIHTLV
		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

#### Ingredients with workplace control parameters



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					(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-A)
			TWA value (Total dust)	15 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
			TWA (Res- pirable)	5 mg/m3	NIOSH REL
			TWA (total) TWA (total	10 mg/m3 15 mg/m3	NIOSH REL OSHA Z-1
			dust)	-	
			TWA (respir- able fraction)	5 mg/m3	OSHA Z-1
			TWA (Total dust)	15 mg/m3	OSHA P0
			TWÁ (respir- able dust fraction)	5 mg/m3	OSHA P0
			TWA (Inhal- able particu- late matter)	10 mg/m3 (Calcium)	ACGIH
Ceme	ent, portland, chemicals	65997-15-1	TWA value (Respirable fraction)	1 mg/m3	ACGIHTLV
			REL value (Total)	10 mg/m3	NIOSH
			REL value (Respirable)	5 mg/m3	NIOSH
			PEL (Total dust)	15 mg/m3	29 CFR 1910.1000 (Table Z-1)
			PEL (Respir- able fraction)	5 mg/m3	29 CFR 1910.1000 (Table Z-1)
			TWA value (Total dust)	10 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
			TWA value (Respirable fraction)	5 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
			TWA value	50 millions of particles per cubic foot of air	29 CFR 1910.1000 (Table Z-3)
			TWA (Res- pirable par- ticulate mat- ter)	1 mg/m3	ACGIH
			TWA (Res-	5 mg/m3	NIOSH REL



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			pirable) TWA (total)	10 mg/m3	NIOSH REL	
			TWA (total dust)	15 mg/m3	OSHA Z-1	
			TWA (respir- able fraction)	5 mg/m3	OSHA Z-1	
			TWA (Total dust)	10 mg/m3	OSHA P0	
			TWA (respir- able dust fraction)	5 mg/m3	OSHA P0	
			TWA (Dust)	50 Million parti- cles per cubic foot	OSHA Z-3	
Quart	tz (SiO2)	14808-60-7	TWA value (Respirable fraction)	0.025 mg/m3	ACGIHTLV	
			REL value (Respirable dust)	0.05 mg/m3	NIOSH	
			TWA value	0.05 mg/m3 (Respirable dust)	29 CFR 1910.1001- 1050	
			OSHA Action level	0.025 mg/m3 (Respirable dust)	29 CFR 1910.1001- 1050	
			TWA (Res- pirable dust)	0.05 mg/m3	OSHA Z-1	
			TWA (respir- able)	10 mg/m3 / %SiO2+2	OSHA Z-3	
			TWA (respir- able)	250 mppcf / %SiO2+5	OSHA Z-3	
			TWA (respir- able dust fraction)	0.1 mg/m3	OSHA P0	
			TWA (Res- pirable par- ticulate mat- ter)	0.025 mg/m3 (Silica)	ACGIH	
			PEL (respir- able)	0.05 mg/m3	OSHA CARC	
			TWA (Res- pirable dust)	0.05 mg/m3 (Silica)	NIOSH REL	

Engineering measures

: Provide local exhaust ventilation to maintain recommended P.E.L.

#### Personal protective equipment

:

Respiratory protection

Breathing protection if dusts are formed.

Wear a NIOSH-certified (or equivalent) particulate respirator.

Hand protection



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Remarks			ity for a specific workplace should be discussed ducers of the protective gloves.
Eye protection		Tightly fitting	ottle with pure water g safety goggles shield and protective suit for abnormal processing
Skin and body protection			ly protection according to the amount and con- f the dangerous substance at the work place.
Prote	ctive measures	Avoid inhala In order to p working clot	ct with the skin, eyes and clothing. ation of dusts. prevent contamination while handling, closed hes and working gloves should be used. ccordance with good building materials hygiene practice.
Hygie	ene measures	When using	do not eat or drink. do not smoke. s before breaks and at the end of workday.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	powder to fine granules
Color	:	gray
Odor	:	faint odour
Odor Threshold	:	Not determined due to potential health hazard by inhalation.
рН	:	13.0 (68.00 °F / 20.00 °C) Aqueous solution
Melting point	:	No applicable information available.
Boiling point	:	No applicable information available.
Flash point	:	> 201.20 °F / > 94.00 °C
		does not flash
Evaporation rate	:	No applicable information available.
Flammability (solid, gas)	:	not determined
Self-ignition	:	not self-igniting
Upper explosion limit / Upper	:	As a result of our experience with this product and our

### SAFETY DATA SHEET

# SikaEmaco-1060DR Formerly MEmaco T 1060DR



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flan	nmability limit			composition we do not expect any hazard as uct is used appropriately and in accordance I use.
	ver explosion limit / Lower nmability limit	:	knowledge of its	experience with this product and our composition we do not expect any hazard as uct is used appropriately and in accordance l use.
Vap	oor pressure	:	No applicable inf	ormation available.
Rel	ative vapor density	:	No applicable inf	ormation available.
Rel	ative density	:	No applicable inf	ormation available.
Bul	< density	:	1,600.0000 kg/m	3 (68.00 °F / 20.00 °C)
	ubility(ies) Water solubility	:	partly soluble (6	8.00 °F / 20.00 °C)
:	Solubility in other solvents	:	No applicable inf	ormation available.
	tition coefficient: n- anol/water	:	No applicable inf	ormation available.
Aut	oignition temperature	:	No applicable inf	ormation available.
Dec	composition temperature	:	No decompositio scribed/indicated	n if stored and handled as pre-
	cosity √iscosity, dynamic	:	No applicable inf	ormation available.
,	Viscosity, kinematic	:	No applicable inf	ormation available.
Exp	losive properties	:	Not explosive	
Oxi	dizing properties	:	not fire-propagat	ing
Sub	limation point	:	No applicable inf	ormation available.
Mol	ecular weight	:	No data available	9

#### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reac- tions	:	No decomposition if stored and applied as directed.



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Conditions to avoid		: See SI	S section 7 - Handling and storage.
Incompatible materials		: Strong Strong	
Hazardous decomposition products			ardous decomposition products if stored and handled cribed/indicated.

#### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Not classified based on available information.

#### Product:

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

#### Skin corrosion/irritation

Causes skin irritation.

#### Product:

Remarks	:	Extremely corrosive and destructive to tissue.
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#### Serious eye damage/eye irritation

Causes serious eye damage.

#### Product:

Remarks

: May cause irreversible eye damage.

#### Respiratory or skin sensitization

#### Skin 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.

#### Carcinogenicity

May cause cancer.

#### Reproductive toxicity

Not classified based on available information.



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#### STOT-single exposure

May cause respiratory irritation.

#### STOT-repeated exposure

Causes damage to organs through prolonged or repeated exposure if inhaled. May cause damage to organs through prolonged or repeated exposure.

#### Aspiration toxicity

Not classified based on available information.

#### **Further information**

#### Product:

Remarks

: No data available

#### **SECTION 12. ECOLOGICAL INFORMATION**

#### Ecotoxicity

### Product:

Product:		
Ecotoxicology Assessment Acute aquatic toxicity	:	This product has no known ecotoxicological effects.
Chronic aquatic toxicity	:	This product has no known ecotoxicological effects.
Persistence and degradabili	v	
-	. y	
<u>Product:</u> Biodegradability	:	Remarks: Not applicable for inorganic substances.
Bioaccumulative potential		
Product:		
Bioaccumulation	:	Remarks: The product will not be readily bioavailable due to its consistency and insolubility in water.
Components:		
Cement, portland, chemicals	:	
Partition coefficient: n- octanol/water	:	GLP: no Remarks: not applicable
Quartz (SiO2):		
Partition coefficient: n- octanol/water	:	Remarks: not applicable
Calcium sulphate:		
Partition coefficient: n- octanol/water	:	GLP: no Remarks: The value has not been determined because the



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				substance is inor	ganic.
		n <b>dioxide:</b> n coefficient: n- l/water	:	Remarks: not app	licable
	Mobilit	y in soil			
		<u>et:</u> ution among environ- compartments	:	particles is probal is not expected.	ng exposure to soil, adsorption to solid soil ole, therefore contamination of groundwater Il not evaporate into the atmosphere from
	Other a	adverse effects			
	Produce Results assess	s of PBT and vPvB	:	to be either persis	ixture contains no components considered stent, bioaccumulative and toxic (PBT), or id very bioaccumulative (vPvB) at levels of
	Additio mation	nal ecological infor-	:	harmful to aquation The product has r	obability that the product is not acutely c organisms. not been tested. The statements on ecotoxi- derived from the properties of the individual

### SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods		
Waste from residues	:	Do not contaminate ponds, waterways or ditches with chemi- cal or used container. Dispose of in accordance with national, state and local regula- tions. Do not discharge into drains/surface waters/groundwater.
Contaminated packaging	:	Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the sub- stance/product.

#### **SECTION 14. TRANSPORT INFORMATION**

#### International Regulations

UNRTDG Not regulated as a dangerous good IATA-DGR



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Not regulated as a dangerous good

#### IMDG-Code

Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable for product as supplied.

#### **Domestic regulation**

#### 49 CFR

Not regulated as a dangerous good

#### **SECTION 15. REGULATORY INFORMATION**

#### **US State Regulations**

#### Pennsylvania Right To Know

Silicon dioxide	7631-86-9
Calcium sulphate	7778-18-9
Cement, portland, chemicals	65997-15-1
Quartz (SiO2)	14808-60-7
New Jersey Right To Know	
Calcium sulphate	7778-18-9
Cement, portland, chemicals	65997-15-1
Quartz (SiO2)	14808-60-7
Lithium carbonate	554-13-2

#### California Prop. 65

WARNING: This product can expose you to chemicals including Quartz (SiO2), which is/are known to the State of California to cause cancer, and

Lithium carbonate, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

#### The ingredients of this product are reported in the following inventories:

TSCA : On the inventory, or in compliance with the inventory

#### **SECTION 16. OTHER INFORMATION**

**Further information** 



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NFPA 704:			HMIS® IV:		
	Flammability		HEALTH		
0		<u>,</u>	FLAMMABILITY		
Hea		Instability	PHYSICAL HAZARD		
	Special hazard		HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal haz- ards or risks, and 4 representing signifi- cant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.		
	ext of other abbreviation		able 7.1.4 (20 CEP 1010 1000)		
29 CF 1-A)	R 1910.1000 (Table Z-	: OSHA - Ta	able Z-1-A (29 CFR 1910.1000)		
1)	R 1910.1000 (Table Z-	1910.1000	OSHA - Table Z-1 (Limits for Air Contaminants) 29 CFR 1910.1000		
29 CF 3)	R 1910.1000 (Table Z-	: OSHA Tab	ble Z-3 (Mineral Dusts) 29 CFR 1910.1000		
	R 1910.1001-1050		: OSHA - Specifically Regulated Substances (29 CFR 1910.1001-1050)		
ACGI ACGI		: American	USA. ACGIH Threshold Limit Values (TLV) American Conference of Governmental Industrial Hygienists - threshold limit values (US)		
NIOS NIOS	H H REL	: NIOSH Po	bocket Guide to Chemical Hazards (US) SH Recommended Exposure Limits		
OSH/ OSH/	A CARC A P0		OSHA Specifically Regulated Chemicals/Carcinogens USA. OSHA - TABLE Z-1 Limits for Air Contaminants -		
OSHA	A Z-1	: USA. Occu	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim- its for Air Contaminants		
OSH/	A Z-3		USA. Occupational Exposure Limits (OSHA) - Table Z-3 Min-		
	R 1910.1000 (Table Z- TWA value		Time Weighted Average (TWA):		
	R 1910.1000 (Table Z-	: Permissibl	Permissible exposure limit		
29 CF	FR 1910.1000 (Table Z- WA value	: Time Weig	Time Weighted Average (TWA):		
29 CF	R 1910.1001-1050 / A Action level	: OSHA Act	: OSHA Action level:		
	R 1910.1001-1050 /	: Time Weig	Time Weighted Average (TWA):		
ACGI	H / TWA HTLV / TWA value		8-hour, time-weighted average Time Weighted Average (TWA):		



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NIOSH OSHA OSHA OSHA	H / REL value H REL / TWA CARC / PEL P0 / TWA Z-1 / TWA Z-3 / TWA	: Time-weighted workday durin	eighted average

AICS - Australian Inventory of Chemical Substances; 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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