

Version 4.1	Revision Date: 03.11.2023		S Number: 7776-00020	Date of last issue: 20.10.2023 Date of first issue: 02.05.2016		
SECTION	SECTION 1. IDENTIFICATION					
Prod	Product name		Deltamethrin Po	ur-On Formulation		
	ufacturer or supplier'	s deta				
Com	pany	:	MSD			
Address		:	Talcahuano 750, 6th floor, Ciudad Autonoma Buenos Aires, Argentina C1013AAP			
Telephone		:	908-740-4000			
Eme	Emergency telephone		1-908-423-6000			
E-ma	E-mail address		EHSDATASTEWARD@msd.com			
Reco	ommended use of the	chem	ical and restricti	ons on use		
Recommended use Restrictions on use		:	Veterinary produ Not applicable	uct		

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification		
Skin sensitization	:	Category 1
Short-term (acute) aquatic hazard	:	Category 1
Long-term (chronic) aquatic hazard	:	Category 1
GHS label elements Hazard pictograms	:	
Signal Word	:	Warning
Hazard Statements	:	H317 May cause an allergic skin reaction. H410 Very toxic to aquatic life with long lasting effects.
Precautionary Statements	:	Prevention: P261 Avoid breathing mist or vapors. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves.



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Response:

P302 + P352 IF ON SKIN: Wash with plenty of water.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

Cutaneous sensations may occur, such as burning or stinging on the face and mucosae. However, these sensations cause no lesions and are of a transitory nature (max. 24 hours).

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Deltamethrin (ISO)	52918-63-5	>= 0,25 -< 1

SECTION 4. FIRST AID MEASURES

General advice	:	In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	:	If inhaled, remove to fresh air. Get medical attention.
In case of skin contact	:	In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	:	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.
If swallowed	:	If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed	:	
Protection of first-aiders	:	
Notes to physician	:	Treat symptomatically and supportively.



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SECTIO	N 5. FIRE-FIGHTING ME	ASL	IRES	
Suit	able extinguishing media	:	Water spray Alcohol-resistan Carbon dioxide Dry chemical	
Uns med	uitable extinguishing lia	:	None known.	
Spe figh	cific hazards during fire	:	Exposure to cor	nbustion products may be a hazard to health.
	ardous combustion prod-	:	Carbon oxides	
Specific extinguishing meth- ods		:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so.	
	cial protective equipment ire-fighters	:		ire, wear self-contained breathing apparatus. rotective equipment.
SECTIO	N 6. ACCIDENTAL RELE	ASI	EMEASURES	
tive	sonal precautions, protec- equipment and emer- cy procedures	:	Follow safe han	otective equipment. dling advice (see section 7) and personal ment recommendations (see section 8).
Environmental precautions		:	Prevent further Prevent spreadi oil barriers). Retain and disp	o the environment. leakage or spillage if safe to do so. ng over a wide area (e.g., by containment or ose of contaminated wash water. s should be advised if significant spillages lined.
	hods and materials for tainment and cleaning up	:	For large spills, containment to l can be pumped container. Clean up remain absorbent. Local or nationa disposal of this employed in the determine which Sections 13 and	ert absorbent material. provide diking or other appropriate keep material from spreading. If diked materia , store recovered material in appropriate hing materials from spill with suitable Il regulations may apply to releases and material, as well as those materials and items cleanup of releases. You will need to h regulations are applicable. I 15 of this SDS provide information regarding hational requirements.

SECTION 7. HANDLING AND STORAGE

Technical measures	:	See Engineering measures under EXPOSURE
		CONTROLS/PERSONAL PROTECTION section.



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Local/Total ventilation Advice on safe handling		 Use only with adequate ventilation. Do not get on skin or clothing. Avoid breathing mist or vapors. Do not swallow. Avoid contact with eyes. Handle in accordance with good industrial hygiene and practice, based on the results of the workplace exposu assessment Take care to prevent spills, waste and minimize releas environment. 		
Con	ditions for safe storage	rage : Keep in properly labeled containers. Store in accordance with the particular national regulations.		
Materials to avoid			vith the following product types:	

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type	Control parame-	Basis
		(Form of	ters / Permissible	
		exposure)	concentration	
Deltamethrin (ISO)	52918-63-5	TWA	15 µg/m3 (OEB 3)	Internal
	Further information: DSEN, Skin			
		Wipe limit	100 µg/100 cm²	Internal

Engineering measures :	Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., drip- less quick connections). All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face containment devices). Minimize open handling.
Personal protective equipment	
Respiratory protection :	If adequate local exhaust ventilation is not available or

Filter type : If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.

Hand protection		
Material	:	Chemical-resistant gloves
Remarks Eye protection	:	Consider double gloving. Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or



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Skin a	and body protection	aerosols. Work uniform of Additional body task being perfect disposable suite Use appropriate contaminated of If exposure to of eye flushing sys- working place. When using do Contaminated of workplace. Wash contamin The effective of engineering contaming to appropriate deg	r laboratory coat. garments should be used based upon the prmed (e.g., sleevelets, apron, gauntlets, s) to avoid exposed skin surfaces. e degowning techniques to remove potentially lothing. themical is likely during typical use, provide stems and safety showers close to the not eat, drink or smoke. work clothing before re-use. beration of a facility should include review of htrols, proper personal protective equipment, gowning and decontamination procedures, ne monitoring, medical surveillance and the

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Aqueous solution, suspension
Color	:	white
Odor	:	No data available
Odor Threshold	:	No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Flammability (liquids)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available



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Relative density	: No data available
Density	: No data available
Solubility(ies) Water solubility	: completely miscible
Partition coefficient: n- octanol/water	: No data available
Autoignition temperature	: No data available
Decomposition temperature	e : No data available
Viscosity Viscosity, kinematic	: No data available
Explosive properties	: Not explosive
Oxidizing properties	: The substance or mixture is not classified as oxidizing.
Molecular weight	: Not applicable
Particle size	: Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity Chemical stability Possibility of hazardous reac- tions	:	Not classified as a reactivity hazard. Stable under normal conditions. Can react with strong oxidizing agents.
Conditions to avoid Incompatible materials Hazardous decomposition products	:	

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of	:	Inhalation
exposure		Skin contact
		Ingestion
		Eye contact

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity	:	Acute toxicity estimate: > 5.000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: > 10 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method



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<u>Com</u>	ponents:			
Delta	methrin (ISO):			
Acute	e oral toxicity	:	LD50 (Rat): 66,7	mg/kg
			LD50 (Rat): 9 - 13	39 mg/kg
			LD50 (Mouse): 19	9 - 34 mg/kg
Acute	inhalation toxicity	:	LC50 (Rat): 0,8 m Exposure time: 2 Test atmosphere:	ĥ
Acute	e dermal toxicity	:	LD50 (Rabbit): 2.	000 mg/kg
			LD50 (Rat): > 800) mg/kg
	e toxicity (other routes of histration)	:	LD50 (Rat): 2,5 m Application Route	
			LD50 (Mouse): 10 Application Route	
Not c	corrosion/irritation lassified based on availa ponents:	ble		. mapononoa
Not c <u>Com</u>	lassified based on availa ponents:	ble		
Not c <u>Com</u> Delta Speci	lassified based on availa ponents: methrin (ISO): les	ble :	information. Rabbit	. milapononoa
Not c Com Delta	lassified based on availa ponents: methrin (ISO): les	ble :	information.	. milapononou
Not c Com Delta Speci Resu	lassified based on availa ponents: methrin (ISO): les lt us eye damage/eye irri	: : tati	information. Rabbit No skin irritation on	
Not c Com Delta Speci Resu Serio Not c	lassified based on availa <u>ponents:</u> methrin (ISO): les lt us eye damage/eye irri lassified based on availa	: : tati	information. Rabbit No skin irritation on	
Not c Com Delta Speci Resu Serio Not c Com	lassified based on availa <u>ponents:</u> methrin (ISO): les lt us eye damage/eye irri lassified based on availa <u>ponents:</u>	: : tati	information. Rabbit No skin irritation on	
Not c Com Delta Speci Resu Serio Not c Com Delta	lassified based on availa <u>ponents:</u> methrin (ISO): les lt us eye damage/eye irri lassified based on availa <u>ponents:</u> methrin (ISO):	: : tati	information. Rabbit No skin irritation on	
Not c Com Delta Speci Resu Serio Not c Com	lassified based on availa <u>ponents:</u> methrin (ISO): les lt us eye damage/eye irri lassified based on availa <u>ponents:</u> methrin (ISO): les	: : tati	information. Rabbit No skin irritation on information.	
Not c Com Delta Speci Resu Serio Not c Com Delta Speci Resu	lassified based on availa <u>ponents:</u> methrin (ISO): les lt us eye damage/eye irri lassified based on availa <u>ponents:</u> methrin (ISO): les	: tati ble	information. Rabbit No skin irritation on information. Rabbit Moderate eye irrit	
Not c Com Delta Speci Resu Serio Not c Com Delta Speci Resu Resp Skin	lassified based on availa <u>ponents:</u> methrin (ISO): les It lassified based on availa <u>ponents:</u> methrin (ISO): les It	tati ble	information. Rabbit No skin irritation on information. Rabbit Moderate eye irrit	
Not c Com Delta Speci Resu Serio Not c Com Delta Speci Resu Resp Skin May c	lassified based on availa <u>ponents:</u> methrin (ISO): les lt us eye damage/eye irri lassified based on availa <u>ponents:</u> methrin (ISO): les lt iratory or skin sensitiza sensitization	tati ble	information. Rabbit No skin irritation on information. Rabbit Moderate eye irrit	
Not c Com Delta Specia Resu Serio Not c Com Delta Specia Resu Resp Skin May c Resp	lassified based on availa ponents: methrin (ISO): les lt us eye damage/eye irri lassified based on availa ponents: methrin (ISO): les lt iratory or skin sensitiza sensitization cause an allergic skin rea	: ble : atio	information. Rabbit No skin irritation on information. Rabbit Moderate eye irrit	
Not c Com Delta Speci Resu Serio Not c Com Delta Speci Resu Resp Skin May c Resp Not c	lassified based on availa ponents: methrin (ISO): les lt us eye damage/eye irri lassified based on availa ponents: methrin (ISO): les lt iratory or skin sensitization cause an allergic skin rea iratory sensitization	: ble : atio	information. Rabbit No skin irritation on information. Rabbit Moderate eye irrit	
Not c Com Delta Speci Resu Serio Not c Com Delta Speci Resu Resp Skin May c Resp Not c Com	lassified based on availa ponents: methrin (ISO): les lt us eye damage/eye irri lassified based on availa ponents: methrin (ISO): les lt iratory or skin sensitization cause an allergic skin rea iratory sensitization lassified based on availa	: ble : atio	information. Rabbit No skin irritation on information. Rabbit Moderate eye irrit	



rsion I	Revision Date: 03.11.2023	SDS Number: 657776-00020	Date of last issue: 20.10.2023 Date of first issue: 02.05.2016
Route Speci Resul		: Dermal : Guinea pig : negative	
Test∃ Route Speci Resul	es of exposure es	: Human repeat : Dermal : Humans : positive	insult patch test (HRIPT)
	assified based on ava	ailable information.	
<u>Comp</u>	oonents:		
Delta	methrin (ISO):		
Geno	toxicity in vitro	: Test Type: Bac Result: negative	terial reverse mutation assay (AMES) e
		Test Type: DN/ Test system: E Result: negativ	scherichia coli
			omosomal aberration hinese hamster ovary cells e
		Test system: C	itro mammalian cell gene mutation test hinese hamster lung cells LOAEL: 20 mg/kg
Geno	toxicity in vivo	: Test Type: Mich Species: Mouse Application Rou Result: negative	e ute: Oral
		Test Type: dom Species: Mouse Application Rou Result: negative	ute: Oral
		Test Type: siste Species: Mouse Cell type: Bone Application Rou Result: negative	marrow ute: Oral
	nogenicity assified based on ava	ailable information.	
Comp	oonents:		
	methrin (ISO):		
Cnadi	~~	. Maura materia	

Species

: Mouse, male and female



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Expo NOA LOA Resi	EL	 oral (feed) 104 weeks 8 mg/kg body v 4 mg/kg body v positive Lymph nodes 	
	ication Route osure time	: Rat, male and : oral (feed) : 2 Years : negative	female
	ication Route osure time \EL	Dog, male and oral (feed) 2 Years 1 mg/kg body v negative	
Not	roductive toxicity classified based on ava	ilable information.	
<u>Com</u>	iponents:		
	amethrin (ISO): cts on fertility	Species: Rat Application Ro Early Embryon weight Symptoms: No	ee-generation reproduction toxicity study ute: oral (feed) ic Development: NOAEL: 50 mg/kg body effects on fertility., Embryo-fetal toxicity. ificant toxicity observed in testing
		Species: Rat Application Ro Early Embryon weight	o-generation reproduction toxicity study ute: Oral ic Development: LOAEL: 84 - 149 mg/kg body effects on fertility., Embryo-fetal toxicity.
			nale ute: Oral L: 1 mg/kg body weight ects on fertility.
Effe	cts on fetal developmer	Species: Mous Application Ro Developmenta Result: Skeleta	
		Test Type: Dev Species: Rat, f	



ersion 1	Revision Date: 03.11.2023	SDS Number: 657776-00020	Date of last issue: 20.10.2023 Date of first issue: 02.05.2016
			al Toxicity: NOAEL: 10 mg/kg body weight o effects on fetal development.
		Development	
Repro sessn	oductive toxicity - As- nent		ce of adverse effects on sexual function and r on development, based on animal experimen
	-single exposure		
	lassified based on avai	lable information.	
<u>Comp</u>	oonents:		
Delta	methrin (ISO):		
Asses	ssment	: May cause re	spiratory irritation.
	F-repeated exposure lassified based on avai	lable information.	
<u>Com</u>	oonents:		
Delta	methrin (ISO):		
Targe	es of exposure et Organs ssment		us system, Immune system age to organs through prolonged or repeated
Route	es of exposure	: inhalation (du	st/mist/fume)
	et Organs	: Central nervo	
•	ssment		age to organs through prolonged or repeated
Repe	ated dose toxicity		
<u>Comp</u>	ponents:		
Delta	methrin (ISO):		
Speci		: Rat, male and	d female
NOAE		: 1 mg/kg	
LOAE		: 2,5 mg/kg	
	cation Route sure time	: Oral : 13 Weeks	
	et Organs	: Nervous syste	em
Symp		: hyperexcitabi	
Speci	es	: Rat	
		: 3 mg/m3	
LOAE			
Applic	cation Route	: inhalation (du	
Applic	cation Route sure time	: 2 wk / 5 d/wk	



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-				
Expo Targe	EL	:	Dog 0,1 mg/kg 1 mg/kg Oral 13 Weeks Nervous system Dilatation of the p	upil, Vomiting, Tremors, Diarrhea, Salivation
Spec		:	Rat	,
NOA LOAE Appli Expo	EL	:	14 mg/kg 54 mg/kg Oral 91 d Nervous system	
Expo Targe			Mouse 6 mg/kg Oral 12 Weeks Immune system immune system e	ffects
Not c Expe	ration toxicity lassified based on availa rience with human exp			
<u>Com</u>	ponents:			
Delta Inhala	m ethrin (ISO): ation	:	Headache, Nause	atory tract irritation, Dizziness, Sweating, a, Vomiting, anorexia, Fatigue, tingling, d vision, muscle twitching
	contact	:	Symptoms: Skin i sea, Vomiting, Diz Blurred vision, Fa	rritation, Erythema, pruritis, Headache, Nau- zziness, tingling, Sweating, muscle twitching, tigue, anorexia, Allergic reactions
Inges		:		e pain, Small pupils
SECTION	12. ECOLOGICAL INFO	ORN	ATION	
Ecot	oxicity			
<u>Com</u>	ponents:			
Delta	methrin (ISO):			
Toxic	ity to fish	:	LC50 (Cyprinodor mg/l Exposure time: 96	n variegatus (sheepshead minnow)): 0,00048 Sh
			LC50 (Oncorhync Exposure time: 96	hus mykiss (rainbow trout)): 0,00039 mg/l 3 h
	ity to daphnia and other tic invertebrates	:	EC50 (Mysidopsis Exposure time: 48	s bahia (opossum shrimp)): 0,0037 μg/l 3 h
			11 / 15	



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				nagna (Water flea)): 0,0035 mg/l
			Exposure time: 48	3 h
			LC50 (Gammarus Exposure time: 96	s fasciatus (freshwater shrimp)): 0,0003 μg/ δ h
Toxici plants	ity to algae/aquatic	:	mg/l Exposure time: 72 Method: OECD T	
	ctor (Acute aquatic tox-	:	1.000.000	
icity) Toxici icity)	ity to fish (Chronic tox-	:	NOEC (Pimephal mg/l Exposure time: 36	es promelas (fathead minnow)): 0,000022 6 d
			NOEC (Pimephal mg/l Exposure time: 26	es promelas (fathead minnow)): 0,000017 60 d
	ity to daphnia and other ic invertebrates (Chron-	:	NOEC (Daphnia r Exposure time: 2 ²	nagna (Water flea)): 0,0041 μg/l I d
	ctor (Chronic aquatic	:	1.000.000	
Persi	stence and degradabil	ity		
<u>Comp</u>	oonents:			
Delta	methrin (ISO):			
Stabil	ity in water	:	Hydrolysis: 0 %(3	0 d)
Bioac	cumulative potential			
Com	oonents:			
Delta	methrin (ISO):			
Bioac	cumulation	:		macrochirus (Bluegill sunfish) factor (BCF): 1.800
	ion coefficient: n- ol/water	:	log Pow: 4,6	
Mobil	lity in soil			
<u>Com</u>	oonents:			
Delta	methrin (ISO):			
	oution among environ- al compartments	:	log Koc: 7,2	



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••	r adverse effects ata available				
SECTION	13. DISPOSAL CONSI	DERATIONS			
Dispo	osal methods				
Waste	e from residues		se of waste into sewer. accordance with local regulations.		
Conta	aminated packaging	 Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. 			
SECTION	14. TRANSPORT INFO	ORMATION			
Interi	national Regulations				
UNR	ſDG				
	umber er shipping name	N.O.S.	ENTALLY HAZARDOUS SUBSTANCE, LIQUID		
Class		(deltamethrir : 9	((30))		
Packi Label	ng group s	: III : 9			
	onmentally hazardous	: yes			
	-DGR				
UN/IE Prope) No. er shipping name	: UN 3082 : Environmenta	ally hazardous substance, liquid, n.o.s.		
-		(Deltamethrii			
Class	ng group	: 9 : III			
Label		: Miscellaneou	S		
	ng instruction (cargo	: 964			
	ng instruction (passen- ircraft)	: 964			
	onmentally hazardous	: yes			
IMDG	-Code				
	umber er shipping name	: UN 3082 : ENVIRONME N.O.S. (Deltamethrin	ENTALLY HAZARDOUS SUBSTANCE, LIQUID		
Class		: 9			
	ng group	:			
Label EmS		: 9 : F-A, S-F			
	e pollutant	: yes			

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.



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Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legis mixture	lation specific for the substance or
Argentina. Carcinogenic Substances and Agents Registry.	: Not applicable

Control of precursors and essential chemicals for the : Not applicable preparation of drugs.

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

AICS	:	not determined
DSL	:	not determined
IECSC	:	not determined

SECTION 16. OTHER INFORMATION

Revision Date	:	03.11.2023
Date format	:	dd.mm.yyyy

Further information

Sources of key data used to	:	Internal technical data, data from raw material SDSs, OECD
compile the Material Safety		eChem Portal search results and European Chemicals Agen-
Data Sheet		cy, http://echa.europa.eu/

Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; 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; 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 Con-



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centration 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; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals 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; WHMIS - Workplace Hazardous Materials Information System

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 is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

AR / Z8