

Versi 6.2	on	Revision Date: 27.11.2023		S Number: 679088-00010	Date of last issue: 30.09.2023 Date of first issue: 05.05.2022
SECI	FION 1	. IDENTIFICATION			
F	Product	t name	:	Ivermectin (2%)	Formulation
(	Other n	neans of identification	:	Coopers Blowfly	and Lice Jetting Fluid (61069)
г	Manufa	acturer or supplier's o	detai	ls	
(	Compa	ny	:	MSD	
ŀ	Addres	S	:		6th floor, Ciudad Autonoma gentina C1013AAP
٦	Telepho	one	:	908-740-4000	
E	Emerge	ency telephone	:	1-908-423-6000	
E	E-mail a	address	:	EHSDATASTEW	/ARD@msd.com
F	Recom	mended use of the c	hem	ical and restriction	ons on use
		mended use tions on use	:	Veterinary produ Not applicable	ct

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

GHS Classification Acute toxicity (Oral)	:	Category 5
Serious eye damage/eye irritation	:	Category 2A
Specific target organ toxicity - single exposure (Oral)	:	Category 2 (Central nervous system)
Specific target organ toxicity - repeated exposure (Oral)	:	Category 2 (Central nervous system)
Short-term (acute) aquatic hazard	:	Category 1
Long-term (chronic) aquatic hazard	:	Category 1
GHS label elements		

:

Hazard pictograms



### SAFETY DATA SHEET



### Ivermectin (2%) Formulation

ersion 2	Revision Date: 27.11.2023	SDS Number: 10679088-00010	Date of last issue: 30.09.2023 Date of first issue: 05.05.2022
Signa	l Word	: Warning	
Hazard Statements		H319 Causes s H371 May caus swallowed. H373 May caus through prolong	armful if swallowed. erious eye irritation. e damage to organs (Central nervous system) e damage to organs (Central nervous system) ed or repeated exposure if swallowed. c to aquatic life with long lasting effects.
Preca	utionary Statements	P264 Wash skir P270 Do not ea P273 Avoid rele	eathe mist or vapors. In thoroughly after handling. t, drink or smoke when using this product. ease to the environment. protection/ face protection.
		for several minu easy to do. Con P308 + P311 IF CENTER/ docto	exposed or concerned: Call a POISON or. eye irritation persists: Get medical advice/ at-
		<b>Storage:</b> P405 Store lock	
		Disposal:	
		P501 Dispose o disposal plant.	of contents/ container to an approved waste

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

Substance / Mixture	Mixture
	IN INCLUIC

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Polyalkylene oxide derivative of a synthetic	103818-93-5	>= 30 -< 50
alcohol		
Ivermectin	70288-86-7	>= 1 -< 2,5

#### **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.



Version 6.2	Revision Date: 27.11.2023	SDS Number: 10679088-0001	Date of last issue: 30.09.2023 Date of first issue: 05.05.2022
If inf	naled	,	emove to fresh air. attention if symptoms occur.
In ca	In case of skin contact		vater and soap as a precaution. attention if symptoms occur.
In ca	ase of eye contact	: In case of co for at least 1	ontact, immediately flush eyes with plenty of water 5 minutes. , remove contact lens, if worn.
lf sw	allowed	: If swallowed so by medic Get medical Rinse mouth	I, DO NOT induce vomiting unless directed to do al personnel.
	t important symptoms effects, both acute and yed	: May be harr Causes seri May cause o	nful if swallowed. ous eye irritation. damage to organs if swallowed. damage to organs through prolonged or repeated
Prot	ection of first-aiders	: First Aid res and use the	ponders should pay attention to self-protection, recommended personal protective equipment itential for exposure exists (see section 8).
Note	es to physician		omatically and supportively.

#### SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.
Specific hazards during fire fighting	:	Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides Metal oxides Oxides of phosphorus
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. Evacuate area.
Special protective equipment for fire-fighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- : tive equipment and emer- gency procedures	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).
Environmental precautions :	:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so.



Vers 6.2	sion	Revision Date: 27.11.2023		0S Number: 679088-00010	Date of last issue: 30.09.2023 Date of first issue: 05.05.2022
		is and materials for ment and cleaning up	:	oil barriers). Retain and dispose Local authorities as cannot be contain Soak up with iner For large spills, per containment to ke can be pumped, se container. Clean up remaining absorbent. Local or national and disposal of this m employed in the or determine which a	g over a wide area (e.g., by containment or se of contaminated wash water. should be advised if significant spillages led. t absorbent material. rovide diking or other appropriate ep material from spreading. If diked material store recovered material in appropriate ing materials from spill with suitable regulations may apply to releases and aterial, as well as those materials and items cleanup of releases. You will need to regulations are applicable. 15 of this SDS provide information regarding tional requirements.

#### SECTION 7. HANDLING AND STORAGE

Technical measures Local/Total ventilation Advice on safe handling	:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section. Use only with adequate ventilation. Do not breathe mist or vapors. Do not swallow. Do not get in eyes. Avoid prolonged or repeated contact with skin. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage	:	Keep in properly labeled containers. Store locked up. Store in accordance with the particular national regulations.
Materials to avoid	:	Do not store with the following product types: Strong oxidizing agents Self-reactive substances and mixtures Organic peroxides Explosives Gases

#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
------------	---------	-------------------------------------	--	-------



sion	Revision Date: 27.11.2023	SDS Number: 10679088-00010	Date of last issue: 30.09.2023 Date of first issue: 05.05.2022				
lverm	ectin	70288-86-7 TW					
		Further information					
		Wij	be limit 300 µg/100 cm2 Internal				
Engir	neering measures	technologies to co less quick connect All engineering co design and operat protect products, v Containment techn are required to cor	ntrols should be implemented by facility ed in accordance with GMP principles to vorkers, and the environment. nologies suitable for controlling compound ntrol at source and to prevent migration of uncontrolled areas (e.g., open-face es).				
Perso	onal protective equip	nent					
Respiratory protection :		exposure assessm	If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.				
	ter type protection	: Particulates type					
Ma	aterial	: Chemical-resistan	gloves				
	emarks rotection	If the work environ mists or aerosols, Wear a faceshield	loving. es with side shields or goggles. ment or activity involves dusty conditions, wear the appropriate goggles. or other full face protection if there is a contact to the face with dusts, mists, or				
Skin a	and body protection	: Work uniform or la Additional body ga task being perform disposable suits) t	rments should be used based upon the led (e.g., sleevelets, apron, gauntlets, o avoid exposed skin surfaces. egowning techniques to remove potentially				
Hygie	ne measures	: If exposure to chere eye flushing syster working place. When using do no Wash contaminate The effective oper engineering contro appropriate degow	mical is likely during typical use, provide ms and safety showers close to the t eat, drink or smoke. ed clothing before re-use. ation of a facility should include review of ols, proper personal protective equipment, rning and decontamination procedures, monitoring, medical surveillance and the				

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color



Vers 6.2	sion	Revision Date: 27.11.2023		S Number: 79088-00010	Date of last issue: 30.09.2023 Date of first issue: 05.05.2022
	Odor		:	No data available	
	Odor TI	nreshold	:	No data available	9
	рН		:	No data available	)
	Melting	point/freezing point	:	No data available	)
	Initial be range	oiling point and boiling	:	No data available	
	Flash p	oint	:	No data available	
	Evapor	ation rate	:	No data available	
	Flamma	ability (solid, gas)	:	No data available	
	Flamma	ability (liquids)	:	Not applicable	
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	
	Vapor p	pressure	:	No data available	
	Relative	e vapor density	:	No data available	
	Relative	e density	:	No data available	
	Density		:	No data available	
	Solubili Wat	ty(ies) er solubility	:	No data available	)
	Partition octanol	n coefficient: n-	:	Not applicable	
		ition temperature	:	No data available	
	Decom	position temperature	:	No data available	
	Viscosi Visc	ty osity, kinematic	:	No data available	)
	Explosi	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance of	r mixture is not classified as oxidizing.
	Molecu	lar weight	:	No data available	)
	Particle	size	:	Not applicable	





Version	Revision Date:	SDS Number:	Date of last issue: 30.09.2023
6.2	27.11.2023	10679088-00010	Date of first issue: 05.05.2022

#### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reac-	:	Can react with strong oxidizing agents.
tions		
Conditions to avoid	:	None known.
Incompatible materials	:	Oxidizing agents
Hazardous decomposition	:	No hazardous decomposition products are known.
products		

#### SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	:	Inhalation Skin contact Ingestion Eye contact
Acute toxicity		
May be harmful if swallowed.		
Product:		
Acute oral toxicity	:	Acute toxicity estimate: 2.500 mg/kg Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 5.000 mg/kg Method: Calculation method
Components:		
Ivermectin:		
Acute oral toxicity	:	LD50 (Rat): 50 mg/kg
		LD50 (Mouse): 25 mg/kg
		LD50 (Monkey): > 24 mg/kg Target Organs: Central nervous system Symptoms: Vomiting, Dilatation of the pupil Remarks: No mortality observed at this dose.
Acute inhalation toxicity	:	LC50 (Rat): 5,11 mg/l Exposure time: 1 h Test atmosphere: dust/mist
Acute dermal toxicity	:	LD50 (Rabbit): 406 mg/kg
		LD50 (Rat): > 660 mg/kg

#### Skin corrosion/irritation

Not classified based on available information.

#### Components:

Polyalkylene oxide derivative of a synthetic alcohol:



ersion	Revision Date: 27.11.2023		0S Number: 679088-00010	Date of last issue: 30.09.2023 Date of first issue: 05.05.2022					
Speci	es	:	reconstructed h	uman epidermis (RhE)					
Metho		:							
Resul	lt	:	No skin irritation						
lverm	nectin:								
Speci		:	Rabbit						
Resul	t	:	No skin irritation						
Serio	us eye damage/eye	irritati	on						
Cause	es serious eye irritatio	on.							
<u>Com</u>	oonents:								
Polya	alkylene oxide deriva	ative o	f a synthetic alc	ohol:					
Speci		:	Bovine cornea						
Metho	bd	:	OECD Test Gui	deline 437					
Resul	lt	:	Irritation to eyes	, reversing within 21 days					
lverm	nectin:								
Speci	es	:	Rabbit						
Resu	lt	:	Mild eye irritatio	n					
Respiratory or skin sensitization			'n						
Skin	sensitization								
Not cl	lassified based on av	ailable	information.						
<b>Respiratory sensitization</b> Not classified based on available information.									
		allable	iniornation.						
	oonents:								
	nectin:		Dermal						
Speci	es of exposure	:	Dermal Humans						
Resul		:		skin sensitization.					
Germ cell mutagenicity									
Not classified based on available information.			information.						
	oonents:								
-	nectin:								
Geno	toxicity in vitro	:	Test Type: Bact Result: negative	erial reverse mutation assay (AMES)					
			Test Type: DNA	damage and repair, unscheduled DNA syn-					
			thesis in mamm	alian cells (in vitro)					
				man diploid fibroblasts					
			Result: negative						



/ersion 3.2	Revision Date: 27.11.2023		0S Number: 679088-00010	Date of last issue: 30.09.2023 Date of first issue: 05.05.2022
			Test Type: Mous Result: negative	se Lymphoma
	<b>inogenicity</b> lassified based on availa	ble	information.	
	ponents:			
lvern	nectin:			
NOAI Resu	cation Route EL It	:	Rat Oral 1,5 mg/kg body negative	
Rema	arks	÷	Based on data fr	om similar materials
Spec Applio NOAI Resu Rema	cation Route EL It	:	Mouse Oral 2,0 mg/kg body negative Based on data fr	weight rom similar materials
•	oductive toxicity lassified based on availa	ble	information	
Components:				
lvern	nectin:			
Effec	ts on fertility	:		
Effec	ts on fetal development	:	Species: Mouse Application Rout Developmental 7 Result: Teratoge	
			Result: Embryote offspring were de	e: Oral Foxicity: LOAEL: 0,4 mg/kg body weight oxic effects and adverse effects on the
			Test Type: Deve Species: Rabbit Application Rout Result: Teratoge	



ersion 2	Revision Date: 27.11.2023	SDS Number: 10679088-00010	Date of last issue: 30.09.2023 Date of first issue: 05.05.2022
		effects on the toxic doses	e offspring were detected only at high maternally
STO	-single exposure		
	• ·	ins (Central nervous	system) if swallowed.
<u>Com</u>	oonents:		
lverm	ectin:		
Targe	et Organs	: Central nerve	
Asses	ssment	: Causes dam	age to organs.
STOT	-repeated exposure		
	cause damage to orga Illowed.	ns (Central nervous	system) through prolonged or repeated exposur
<u>Com</u>	oonents:		
lverm	ectin:		
•	et Organs	: Central nervo	
Asses	ssment	: Causes dam exposure.	age to organs through prolonged or repeated
Repe	ated dose toxicity		
<u>Com</u>	oonents:		
lverm	nectin:		
Speci		: Dog	
NOAE LOAE		: 0,5 mg/kg : 1 mg/kg	
	cation Route	: Oral	
Expo	sure time	: 14 Weeks	
	et Organs	: Central nerve	
Symp	toms	: Dilatation of	the pupil, Tremors, Lack of coordination, anorexi
Speci	es	: Monkey	
NOA		: 1,2 mg/kg	
	cation Route	: Oral	
•	sure time	: 2 Weeks	t advance offecto were reported
Rema	arks	: No significan	adverse effects were reported
Speci		: Rat	
NOA		: 0,4 mg/kg	
LOAE		:    0,8 mg/kg :    Oral	
	cation Route sure time	: 3 Months	
	et Organs		e marrow, Kidney
5	-		-
Aspir	ation toxicity		



ence with human exp nents: ctin: ntact ntact on 2. ECOLOGICAL INFO icity nents: cylene oxide derivative to fish to daphnia and other invertebrates	) DRM /e o	Remarks: Can be absorbe Remarks: May irritate eyes Symptoms: Drowsiness, D iting, anorexia, Lack of coo ATION	s. Dilatation of the pupil, Tremors, Vor ordination
ctin: ntact ntact on 2. ECOLOGICAL INFO icity nents: cylene oxide derivativ to fish to daphnia and other	/e o :	Remarks: May irritate eyes Symptoms: Drowsiness, D iting, anorexia, Lack of coo <b>ATION</b> <b>a synthetic alcohol:</b> LC50 : > 1 - 10 mg/l Exposure time: 96 h Remarks: Based on data f EC50 (Daphnia magna (W	s. Dilatation of the pupil, Tremors, Vor ordination
ntact htact 2. ECOLOGICAL INFO icity nents: sylene oxide derivativ to fish to daphnia and other	/e o :	Remarks: May irritate eyes Symptoms: Drowsiness, D iting, anorexia, Lack of coo <b>ATION</b> <b>a synthetic alcohol:</b> LC50 : > 1 - 10 mg/l Exposure time: 96 h Remarks: Based on data f EC50 (Daphnia magna (W	s. Dilatation of the pupil, Tremors, Vor ordination
2. ECOLOGICAL INFO icity nents: cylene oxide derivativ to fish to daphnia and other	/e o :	Remarks: May irritate eyes Symptoms: Drowsiness, D iting, anorexia, Lack of coo <b>ATION</b> <b>a synthetic alcohol:</b> LC50 : > 1 - 10 mg/l Exposure time: 96 h Remarks: Based on data f EC50 (Daphnia magna (W	s. Dilatation of the pupil, Tremors, Vor ordination
icity nents: xylene oxide derivativ to fish to daphnia and other	/e o :	<b>a synthetic alcohol:</b> LC50 : > 1 - 10 mg/l Exposure time: 96 h Remarks: Based on data f EC50 (Daphnia magna (W	
nents: ylene oxide derivativ to fish to daphnia and other	:	LC50 : > 1 - 10 mg/l Exposure time: 96 h Remarks: Based on data f EC50 (Daphnia magna (W	
to fish to daphnia and other	:	LC50 : > 1 - 10 mg/l Exposure time: 96 h Remarks: Based on data f EC50 (Daphnia magna (W	
to fish to daphnia and other	:	LC50 : > 1 - 10 mg/l Exposure time: 96 h Remarks: Based on data f EC50 (Daphnia magna (W	
to daphnia and other	:	Exposure time: 96 h Remarks: Based on data f EC50 (Daphnia magna (W	
	:		/ater flea)): 3,2 mg/l
		Method: OECD Test Guide	eline 202
ctin:			
to fish	:	LC50 (Oncorhynchus myk Exposure time: 96 h	iss (rainbow trout)): 0,003 mg/l
		LC50 (Lepomis macrochire Exposure time: 96 h	us (Bluegill sunfish)): 0,0048 mg/l
to daphnia and other invertebrates	:	EC50 (Daphnia magna (W Exposure time: 48 h	/ater flea)): 0,000025 mg/l
to algae/aquatic	:	EC50 (Pseudokirchneriella mg/l Exposure time: 72 h Method: OECD Test Guide	a subcapitata (green algae)): > 9,1 eline 201
		NOEC (Pseudokirchneriell mg/l Exposure time: 72 h Method: OECD Test Guide	la subcapitata (green algae)): 9,1 eline 201
or (Acute aquatic tox-	:	10.000	
or (Chronic aquatic	:	10.000	
	or (Acute aquatic tox- or (Chronic aquatic	r (Acute aquatic tox- :	mg/l Exposure time: 72 h Method: OECD Test Guide NOEC (Pseudokirchneriel mg/l Exposure time: 72 h Method: OECD Test Guide or (Acute aquatic tox- : 10.000 or (Chronic aquatic : 10.000

#### Components:

Polyalkylene oxide derivative of a synthetic alcohol:

Class

Labels

Packing group



# Ivermectin (2%) Formulation

/ersion 6.2	Revision Date: 27.11.2023		OS Number: 679088-00010	Date of last issue: 30.09.2023 Date of first issue: 05.05.2022
Biode	egradability	:	Result: Readily Remarks: Based	biodegradable. d on data from similar materials
lverm	nectin:			
Biode	egradability	:	Result: Not read Biodegradation: Exposure time: 2	
Bioad	ccumulative potential			
Com	ponents:			
lverm	nectin:			
Bioac	cumulation	:	Bioconcentration	n factor (BCF): 74
	ion coefficient: n- ol/water	:	log Pow: 3,22	
	<b>lity in soil</b> ata available			
	r adverse effects ata available			
ECTION	13. DISPOSAL CONSI	IDEF	ATIONS	
Dispo	osal methods			
-	e from residues	:		of waste into sewer.
Conta	aminated packaging	:	Empty container handling site for	cordance with local regulations. is should be taken to an approved waste recycling or disposal. specified: Dispose of as unused product.
ECTION	14. TRANSPORT INFO	ORM	ATION	
Interr	national Regulations			
UNR	TDG			
	umber	:	UN 3082	
Prope	er shipping name	:	ENVIRONMENT N.O.S. (Ivermectin)	FALLY HAZARDOUS SUBSTANCE, LIQUID
Class	;	:	9	
	ng group	:	III	
Label		:	9	
	onmentally hazardous	:	yes	
	-DGR			
UN/IE Prope		:	UN 3082	hazardous substance, liquid in e e
Prope	er shipping name	•	(lvermectin)	hazardous substance, liquid, n.o.s.

Miscellaneous

:



Versio 6.2	on Revision Date: 27.11.2023		DS Number: 679088-00010	Date of last issue: 30.09.2023 Date of first issue: 05.05.2022
a P	Packing instruction (cargo ircraft) Packing instruction (passen-	:	964 964	
•	er aircraft) invironmentally hazardous	:	yes	
I	IMDG-Code			
-	JN number	:	UN 3082	
Р	roper shipping name	:	ENVIRONMENT/ N.O.S. (Ivermectin)	ALLY HAZARDOUS SUBSTANCE, LIQUID,
С	Class	:	9	
Р	acking group	:	111	
	abels	:	9	
	mS Code	:	F-A, S-F	
N	larine pollutant	:	yes	

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

Not applicable for product as supplied.

#### 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/legislation specific for the substance or mixture

Argentina. Carcinogenic Substances and Agents: Not applicableRegistry.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	:	27.11.2023
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/



Version	Revision Date:	SDS Number:
6.2	27.11.2023	10679088-00010

Date of last issue: 30.09.2023 Date of first issue: 05.05.2022

#### 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 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; 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