

Olmesartan / Hydrochlorothiazide Formulation

8.0 2024/04/06 402581-00018 Date of first issue: 2016/01/07	Version	Revision Date:	SDS Number:	Date of last issue: 2023/09/30
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1. PRODUCT AND COMPANY IDENTIFICATION

Chemical product name	:	Olmesartan / Hydrochlorothiazide Formulation				
Supplier's company name, address and phone number						
Company name of supplier	:	Organon & Co.				
Address	:	30 Hudson Street, 33nd floor Jersey City, New Jersey, U.S.A 07302				
Telephone	:	+1-551-430-6000				
E-mail address	:	EHSSTEWARD@organon.com				
Emergency telephone number	:	+1-215-631-6999				

Recommended use of the chemical and restrictions on use

Recommended use	:	Pharmaceutical
Restrictions on use	:	Not applicable

2. HAZARDS IDENTIFICATION

GHS classification of chemical product Reproductive toxicity : Category 1A						
	•					
Specific target organ toxicity - repeated exposure	:	Category 2 (Kidney, Parathyroid gland)				
GHS label elements						
Hazard pictograms	:					
Signal word	:	Danger				
Hazard statements	:	H360D May damage the unborn child. H373 May cause damage to organs (Kidney, Parathyroid gland) through prolonged or repeated exposure.				
Precautionary statements	:	Prevention:				
		 P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe dust. P280 Wear protective gloves/ protective clothing/ eye protec- 				



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tion/ face protection.

Response:

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

Storage:

P405 Store locked up.

Disposal:

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

Other hazards which do not result in classification

Important symptoms and out- lines of the emergency as- sumed	:	Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin. May form explosive dust-air mixture during processing, han- dling or other means.
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance /	Mixture	:	Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)	ENCS No.
Olmesartan	144689-63-4	>= 1 - < 10	
Cellulose	9004-34-6	>= 1 - < 10	
Hydrochlorothiazide	58-93-5	>= 1 - < 10	

4. FIRST AID MEASURES

General advice	:	In the case of accident or if you feel unwell, seek medical ad- vice immediately. When symptoms persist or in all cases of doubt seek medical
If inhaled		advice. If inhaled, remove to fresh air.
in initialed	•	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.
In case of eye contact		Thoroughly clean shoes before reuse. If in eyes, rinse well with water.
in case of eye contact	•	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	:	May damage the unborn child.
and effects, both acute and		May cause damage to organs through prolonged or repeated



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F	delayed Protection c Notes to ph	of first-aiders vsician	:	the skin. Dust contact with First Aid responde and use the recor when the potentia	can cause mechanical irritation or drying of the eyes can lead to mechanical irritation. ers should pay attention to self-protection, nmended personal protective equipment I for exposure exists (see section 8). cally and supportively.
. <u> </u>	-	G MEASURES			
S	Suitable ext	inguishing media	:	Water spray Alcohol-resistant Carbon dioxide (C Dry chemical	
r	media	extinguishing	:	None known.	
	Specific haz	zards during fire-	:	concentrations, and potential dust exp	dust; fine dust dispersed in air in sufficient nd in the presence of an ignition source is a losion hazard. bustion products may be a hazard to health.
	Hazardous ucts	combustion prod-	: Carbon oxides Nitrogen oxides (NOx) Chlorine compounds Sulphur oxides		
	Specific ext ods	inguishing meth-	cumstances and the surrounding env Use water spray to cool unopened co		
	Special prot for firefighte	tective equipment ers	:	In the event of fire	e, wear self-contained breathing apparatus. ective equipment.
6. AC	CIDENTA	RELEASE MEAS	SUF	ES	
t		ecautions, protec- ent and emer- edures	:		ective equipment. ing advice (see section 7) and personal pro- recommendations (see section 8).
E	Environmer	ntal precautions	:	Retain and dispos	akage or spillage if safe to do so. se of contaminated wash water. should be advised if significant spillages
		d materials for t and cleaning up	:	 Sweep up or vacuum up spillage and collect in suitable of tainer for disposal. Avoid dispersal of dust in the air (i.e., clearing dust surface with compressed air). 	



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		es, as these ma leased into the Local or nationa posal of this ma employed in the mine which reg Sections 13 an	should not be allowed to accumulate on surfac- ay form an explosive mixture if they are re- atmosphere in sufficient concentration. al regulations may apply to releases and dis- aterial, as well as those materials and items e cleanup of releases. You will need to deter- ulations are applicable. d 15 of this SDS provide information regarding national requirements.
7. HANDL	ING AND STORAGE		
Hand	lling		
Tech	nical measures	causing an exp Provide adequa	ate precautions, such as electrical grounding
Local	/Total ventilation		r inert atmospheres. tilation is unavailable, use with local exhaust
Advic	e on safe handling	: Do not get on s Do not breathe Do not swallow Avoid contact v Wash skin thor Handle in acco practice, based sessment Keep container Minimize dust g Keep container Keep away fror Take precautio Do not eat, drin	dust. vith eyes. oughly after handling. rdance with good industrial hygiene and safety on the results of the workplace exposure as-
	lance of contact ene measures	flushing system place. When using do Wash contamir The effective of engineering con appropriate deg	chemical is likely during typical use, provide eye as and safety showers close to the working not eat, drink or smoke. hated clothing before re-use. peration of a facility should include review of ntrols, proper personal protective equipment, gowning and decontamination procedures, ne monitoring, medical surveillance and the
Stora	age		
Cond	itions for safe storage	: Keep in proper Store locked up Keep tightly clo	



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Materia	als to avoid	:		ce with the particular national regulations. the following product types: agents
Packa	ging material	:	Unsuitable materi	al: None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Threshold limit value and permissible exposure limits for each component in the work environment

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Reference concentration / Permissible con- centration	Basis
Olmesartan	144689-63-4	TWA	30 µg/m3 (OEB 3)	Internal
		Wipe limit	300 µg/100 cm ²	Internal
Cellulose	9004-34-6	TWA	10 mg/m3	ACGIH
Hydrochlorothiazide	58-93-5	TWA	100 µg/m3 (OEB 2)	Internal

Engineering measures : 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 Filter type Hand protection		If adequate local exhaust ventilation is not available or expo sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. Particulates type	
Material	:	Chemical-resistant gloves	
Remarks Eye protection Skin and body 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 aerosols. Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, dis-	
		posable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially	



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			contaminated clos	thing.		
9. PHYS	9. PHYSICAL AND CHEMICAL PROPERTIES					
Phy	vsical state	:	powder			
Col	our	:	white to off-white)		
Od	our	:	No data available	e		
Od	our Threshold	:	No data available	e		
Me	Iting point/freezing point	:	No data available	e		
	ling point, initial boiling nt and boiling range	:	No data available	e		
Fla	mmability (solid, gas)	:	May form explos dling or other me	ive dust-air mixture during processing, han- eans.		
Fla	mmability (liquids)	:	No data available	e		
	ver explosion limit and upp Upper explosion limit / Up- per flammability limit					
	Lower explosion limit / Lower flammability limit	:	No data available	e		
Fla	sh point	:	Not applicable			
Dee	composition temperature	:	No data available	e		
pН		:	No data available	e		
Eva	aporation rate	:	Not applicable			
Aut	o-ignition temperature	:	No data available	e		
	cosity Viscosity, kinematic	:	Not applicable			
	ubility(ies) Water solubility	:	No data available	e		
	tition coefficient: n- anol/water	:	Not applicable			
Vap	oour pressure	:	Not applicable			
	nsity and / or relative densi Relative density	ty :	No data available	e		



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De	ensity	:	No data availabl	le	
Relati	ve vapour density	:	Not applicable		
Explo	sive properties	:	Not explosive		
Oxidiz	zing properties	:	The substance of	or mixture is not classified as oxidizing.	
Molec	cular weight	:	Not applicable		
	Particle characteristics Particle size		No data availab	le	
0. STABI		,			
	tivity hical stability bility of hazardous reac-	:	Stable under no May form explose dling or other me	sive dust-air mixture during processing, han-	
Incom Hazaı	Conditions to avoid Incompatible materials Hazardous decomposition products		 Heat, flames and sparks. Avoid dust formation. Oxidizing agents No hazardous decomposition products are known. 		
1. TOXIC		ΓΙΟΝ	I		
Inform expos	nation on likely routes of sure	:	Inhalation Skin contact Ingestion Eye contact		
	e toxicity lassified based on availa	ble i	nformation.		
<u>Produ</u> Acute	u <u>ct:</u> oral toxicity	:	Acute toxicity est Method: Calculat	timate: > 2,000 mg/kg tion method	
<u>Com</u> r	oonents:				
	sartan:				
	oral toxicity	:	LD50 (Rat): > 2,0	000 mg/kg	
			LD50 (Mouse): >	2,000 mg/kg	
			LD50 (Dog): > 1,	500 mg/kg	
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SAFETY DATA SHEET



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Acu	te inhalation toxicity	:	Remarks: No data	available
Acu	te dermal toxicity	:	Remarks: No data	available
Cell	ulose:			
Acu	te oral toxicity	:	LD50 (Rat): > 5,00	00 mg/kg
Acu	te inhalation toxicity	:	LC50 (Rat): > 5.8 Exposure time: 4 h Test atmosphere:	า
Acu	te dermal toxicity	:	LD50 (Rabbit): > 2	2,000 mg/kg
II Hvd	Irochlorothiazide:			
	te oral toxicity	:	LD50 (Rat): > 2,75	50 mg/kg
			LD50 (Mouse): > 2	2,830 mg/kg
	te toxicity (other routes of ninistration)	:	LD50 (Rat): 990 m Application Route:	
			LD50 (Mouse): 59 Application Route:	
II Skir	n corrosion/irritation			
Not	classified based on availa	ble	information.	
Con	nponents:			
	nesartan:			
Ren	narks	:	No data available	
Hyd	Irochlorothiazide:			
Spe		:	Rabbit	
Res	ult	•	No skin irritation	
	ious eye damage/eye irri classified based on availa			
Con	nponents:			
Olm	nesartan:			
	cies	:	Rabbit	
Res Met	ult hod	:	Moderate eye irrita Draize Test	ation
Hyd	Irochlorothiazide:			
Spe		:	Rabbit	



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Resu	lt	:	Mild eye irritation	
Resp	iratory or skin sensi	tisatio	n	
-	sensitisation lassified based on ava	ailable	information.	
-	iratory sensitisation lassified based on ava		information.	
<u>Com</u>	oonents:			
	sartan: sure routes arks	:	Skin contact No data available)
Not cl	a cell mutagenicity lassified based on ava ponents:	ailable	information.	
	sartan:			
Geno	toxicity in vitro	:	Test Type: Bacte Result: negative	rial reverse mutation assay (AMES)
			Test Type: Mutaç Result: negative	genicity (in vitro mammalian cytogenetic tes
				nosome aberration test in vitro nese hamster lung cells
			Test Type: Mous	
			Result: negative	e Lymphoma
Geno	toxicity in vivo	:	Result: negative Test Type: Micro Species: Mouse Cell type: Bone n Application Route Result: negative	nucleus test narrow
Germ	toxicity in vivo cell mutagenicity - ssment	:	Result: negative Test Type: Micro Species: Mouse Cell type: Bone n Application Route Result: negative	nucleus test narrow
Germ	cell mutagenicity -	:	Result: negative Test Type: Micro Species: Mouse Cell type: Bone n Application Route Result: negative Weight of evident	nucleus test narrow e: Oral
Germ Asses Cellu	cell mutagenicity -	:	Result: negative Test Type: Micro Species: Mouse Cell type: Bone n Application Route Result: negative Weight of eviden cell mutagen.	nucleus test narrow e: Oral



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Geno			Test Type: Mamm cytogenetic assay Species: Mouse Application Route Result: negative	
Hydro	ochlorothiazide:			
	toxicity in vitro	I	Result: negative	ial reverse mutation assay (AMES)
		-		osomal aberration bese hamster ovary cells
		-		chromatid exchange assay lese hamster ovary cells
		-	Fest Type: in vitro Fest system: mou Result: positive	assay se lymphoma cells
Geno	toxicity in vivo	: (Fest Type: Chrom Species: Chinese Cell type: Bone m Result: negative	
		: (Test Type: in vivo Species: Mouse Cell type: Bone m Result: negative	
	cell mutagenicity - ssment		Weight of evidenc cell mutagen.	e does not support classification as a germ
	nogenicity assified based on avail	able in	formation.	
Com	oonents:			
Olme	sartan:			
	cation Route sure time	: (Rat Dral 2 Years negative	
Speci Applic	es cation Route sure time	: : () : ()	Mouse Dral 6 Months negative	



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Cellu	lose:			
Speci Applic Expos Resul	cation Route sure time	: Rat : Ingestion : 72 weeks : negative		
Hydro	ochlorothiazide:			
	cation Route sure time	: Mouse, femal : Oral : 2 Years : negative	e	
	cation Route sure time	: Mouse, male : Oral : 2 Years : equivocal		
	cation Route sure time	: Rat, male and : Oral : 2 Years : negative	I female	
May o	oductive toxicity damage the unborn chi ponents:	ld.		
Olme	sartan:			
Effect	ts on fertility			
Effect ment	ts on foetal develop-			
			bit	



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	oductive toxicity - As-	: Positive evid	cts on postnatal development dence of adverse effects on development from
sessr		numan epid	emiological studies.
	I lose: ts on fertility	Species: Ra	Route: Ingestion
Effec ment	ts on foetal develop-	Species: Ra	Route: Ingestion
Hydr	ochlorothiazide:		
Effec	ts on fertility	Application Fertility: NO	^F ertility t, male and female Route: oral (feed) AEL: 4 mg/kg body weight cts on fertility
		Application Fertility: NO	Fertility buse, male and female Route: oral (feed) AEL: 100 mg/kg body weight cts on fertility
Effec ment	ts on foetal develop-	Species: Mo Application Developmen	
		Species: Ra Application Developmer	

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

May cause damage to organs (Kidney, Parathyroid gland) through prolonged or repeated exposure.



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Hydro Targe	<mark>ponents:</mark> pchlorothiazide: et Organs ssment	: Kidney, Parath : Causes dama exposure.	nyroid gland ge to organs through prolonged or repeate
Repe	ated dose toxicity		
Com	oonents:		
Speci NOAE Applio	EL cation Route sure time	: Rat : 2,000 mg/kg : Oral : 24 Months : No significant	adverse effects were reported
Cellu	lose:		
		: Rat : >= 9,000 mg/k : Ingestion : 90 Days	g
Hydro	ochlorothiazide:		
Speci LOAE Applic Expos	es	: Rat, male and : 10 mg/kg : Oral : 2 yr : Kidney, Parath	
Speci NOAE Applic Expos Rema	EL cation Route sure time	: Mouse, male a : 300 - 550 mg/ : Oral : 2 yr : No significant	
Speci	es	: Dog	
Expos	cation Route sure time et Organs	: 50 - 200 mg/kg : Oral : 9 Months : Parathyroid gla	

Not classified based on available information.

Components:

Hydrochlorothiazide:

No aspiration toxicity classification



	-			
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Expe	rience with human e	xposur	е	
Com	ponents:			
Olme	esartan:			
Eye c	contact	:	Symptoms: Eye	irritation
Inges	tion		Symptoms: hyp Remarks: May o Based on Huma	cause harm to the unborn child.
Hydro	ochlorothiazide:			
Eye c	contact	:	Symptoms: Eye	irritation
Inges	tion			ziness, Headache, Fatigue, Nausea, Ab- ypotension, dry mouth, electrolyte imbalance,
12. ECOL	OGICAL INFORMATI	ON		
Ecoto	oxicity			
<u>Com</u>	ponents:			
Cellu	lose:			
Toxic	ity to fish		Exposure time:	atipes (Japanese medaka)): > 100 mg/l 48 h d on data from similar materials

Hydrochlorothiazide:

Toxicity to fish Toxicity to daphnia and other aquatic invertebrates	:	LC50 (Pimephales promelas (fathead minnow)): > 500 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 500 mg/l Exposure time: 48 h

Persistence and degradability

Components:

Cellulose:

Biodegradability	:	Result: Readily biodegradable.
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Hydrochlorothiazide:

Stability in water	: Hydrolysis: 46.2 %(96 h)
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	ccumulative potentia ata available	al	
	lity in soil		
	ata available		
	rdous to the ozone I pplicable	ayer	
	r adverse effects		
No da	ata available		
13. DISPO	SAL CONSIDERATI	ONS	
Diam			
Disp	osal methods		

Waste from residues	:	Dispose of in accordance with local regulations. Do not dispose of waste into sewer.
Contaminated packaging	:	Empty containers should be taken to an approved waste han- dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG

UNKIDG		
UN number	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
Environmentally hazardous	:	no
IATA-DGR		
UN/ID No.	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
Packing instruction (cargo aircraft)	:	Not applicable
Packing instruction (passen- ger aircraft)	:	Not applicable
IMDG-Code		
UN number	:	Not applicable
Proper shipping name	:	Not applicable
Class	:	Not applicable
Subsidiary risk	:	Not applicable
Packing group	:	Not applicable
Labels	:	Not applicable
	-	



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EmS Code	:	Not applicable
Marine pollutant	:	Not applicable

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

Not applicable for product as supplied.

National Regulations

Refer to section 15 for specific national regulation.

Special precautions for user

Not applicable

15. REGULATORY INFORMATION

Related Regulations

Fire Service Law

Not applicable to dangerous materials / designated flammables.

Chemical Substance Control Law

Not applicable for Specified Chemical Substance, Monitoring Chemical Substance and Priority Assessment Chemical Substance.

Industrial Safety and Health Law

Harmful Substances Prohibited from Manufacture

Not applicable

Harmful Substances Required Permission for Manufacture

Not applicable

Substances Prevented From Impairment of Health

Not applicable

Circular concerning Information on Chemicals having Mutagenicity - Annex 2: Information on Existing Chemicals having Mutagenicity

Not applicable

Circular concerning Information on Chemicals having Mutagenicity - Annex 1: Information on Notified Substances having Mutagenicity

Not applicable

Substances Subject to be Notified Names

Not applicable

Substances Subject to be Indicated Names

Not applicable

Substances Subject to be Indicated Names

Not applicable

Carcinogenic Substances (Article 577-2 of the Occupational Health and Safety Regulations)

Not applicable



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Ordin	ance on Prevention	of Hazards Due to Si	pecified Chemical Substances
	pplicable		
	ance on Prevention	of Lead Poisoning	
	ance on Prevention	of Tetraalkyl Lead Po	oisoning
	ance on Prevention	of Organic Solvent F	Poisoning
Subst	cement Order of the tances)	e Industrial Safety and	d Health Law - Attached table 1 (Dangerous
Poiso		us Substances Contr	ol Law
viron			of Specific Chemical Substances in the E the Management Thereof
-	Pressure Gas Safety	y Act	
-	osive Control Law		
	el Safety Law egulated as a dangero	ous good	
	ion Law egulated as a dangero	ous good	
Marin	e Pollution and Sea	Disaster Prevention	etc Law
Bulk t	ransportation	: Not classified a	as noxious liquid substance
Pack	transportation	: Not classified a	as marine pollutant
Narco Not aj Speci	pplicable	aw Material (Export / Ir	mport Permission) Export / Import permission)
	e Disposal and Publ trial waste	ic Cleansing Law	
The c AICS		broduct are reported in the second se	in the following inventories:
DSL		: not determined	I
IECS	C	: not determined	1



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16. OTHER INFORMATION

Further information

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

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Date format	:	yyyy/mm/dd
Full text of other abbreviatio	ns	
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIH / TWA	:	8-hour, time-weighted average

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



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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 specified in the text. Material users should review the information and recommendations in the 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.

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