



Version 3.1	Revision Date: 30.09.2023		S Number: 58926-00011	Date of last issue: 12.07.2023 Date of first issue: 14.01.2022
SECTION	1. PRODUCT AND C	ЮМРА		ΓΙΟΝ
Produ	Product name		Metamizol Injec	tion Formulation
Manu	Ifacturer or supplier	s detai	ls	
Comp	bany	:	MSD	
Addre	ess	:	Rua Coronel Be Cruzeiro - Sao F	nto Soares, 530 Paulo - Brazil CEP 12730-340
Telep	hone	:	908-740-4000	
Emer	gency telephone	:	1-908-423-6000	1
E-ma	E-mail address		EHSDATASTEWARD@msd.com	
Reco	mmended use of the	e chem	ical and restricti	ons on use
	mmended use ictions on use	:	Veterinary produ Not applicable	uct

SECTION 2. HAZARDS IDENTIFICATION

GHS	Classification	in accordance v	with ABNT NB	R 14725 Standard
0110	Glassification	in accordance v		IN ITIZJ Stanuaru

Reproductive toxicity	:	Category 2
Specific target organ toxicity - repeated exposure (Oral)	:	Category 1 (Blood)
Short-term (acute) aquatic hazard	:	Category 3
Long-term (chronic) aquatic hazard	:	Category 2

GHS label elements in accordance with ABNT NBR 14725 Standard

Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	H361 Suspected of damaging fertility or the unborn child. H372 Causes damage to organs (Blood) through prolonged or repeated exposure if swallowed. H402 Harmful to aquatic life. H411 Toxic to aquatic life with long lasting effects.





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Precautionary Statements		P264 Wash skin P273 Avoid relea	ecial instructions before use. thoroughly after handling. ase to the environment. ective gloves/ protective clothing/ eye protec- tion.
		Response: P308 + P313 IF attention. P391 Collect spi	exposed or concerned: Get medical advice/ llage.

Other hazards which do not result in classification

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, handling or other means.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components						
Chemical name	CAS-No.	Classification	Concentration (% w/w)			
Metamizol	68-89-3	Acute toxicity (Oral), Category 5 Reproductive toxicity, Category 2 Specific target organ toxicity - repeated exposure (Oral) (Blood), Category 1 Short-term (acute) aquatic hazard, Category 3 Long-term (chronic) aquatic hazard, Category 2	>= 30 -< 50			
Benzyl alcohol	100-51-6	Acute toxicity (Oral), Category 4 Acute toxicity (Inhala- tion), Category 4 Eye irritation, Category 2A	>= 1 -< 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.

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If inhaled		: If inhaled, re Get medical	move to fresh air. attention.		
In case of skin contact		of water. Remove cor Get medical Wash clothir	 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 cas	In case of eye contact		: If in eyes, rinse well with water. Get medical attention if irritation develops and persists.		
If swallowed		: If swallowed Get medical	, DO NOT induce vomiting.		
and e	Most important symptoms and effects, both acute and delayed		of damaging fertility or the unborn child. Tage to organs through prolonged or repeated swallowed. I dust can cause mechanical irritation or drying of		
Prote	ction of first-aiders	 Dust contact with the eyes can lead to mechanical irritation. First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8). 			
Notes	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
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. Prevent spreading over a wide area (e.g., by containment or



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Metho	ods and materials for	Local authorities cannot be conta	ose of contaminated wash water. s should be advised if significant spillages ined. ert absorbent material.
	inment and cleaning up	Avoid dispersal with compressed Dust deposits sh surfaces, as the released into the For large spills, containment to k can be pumped, container. Clean up remain absorbent. Local or nationa disposal of this r employed in the determine which Sections 13 and	of dust in the air (i.e., clearing dust surfaces

SECTION 7. HANDLING AND STORAGE

Technical measures	 Static electricity may accumulate and ignite suspended dust causing an explosion. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.
Local/Total ventilation Advice on safe handling	 Use only with adequate ventilation. Do not breathe mist or vapors. Do not swallow. Avoid contact with 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 Minimize dust generation and accumulation. Keep container closed when not in use. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the environment.
Hygiene measures	 If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use. The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures,



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Cond	itions for safe storage	use of administr : Keep in properly Store locked up	/ labeled containers.	
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
Metamizol	68-89-3	TWA	3 mg/m3 (OEB 1)	Internal
Engineering measures	technologie less quick c All engineer design and protect proc	s to control airbo onnections). ing controls shou operated in acco lucts, workers, ar	controls and manufac rne concentrations (e. Ild be implemented by rdance with GMP prin Ind the environment. t require special conta	g., drip- facility ciples to
Personal protective equipm	ent			
Respiratory protection	exposure as	ssessment demo	ntilation is not availabl nstrates exposures ou se respiratory protectio	tside the
Filter type Hand protection	: Combined p	particulates and c	rganic vapor type	
Material	: Chemical-re	esistant gloves		
Eye protection	If the work e mists or aer Wear a face	environment or ac osols, wear the a eshield or other fu	e shields or goggles. ctivity involves dusty c ppropriate goggles. Ill face protection if the the face with dusts, m	ere is a
Skin and body protection		m or laboratory c	oat.	
TION 9. PHYSICAL AND CH	EMICAL PROPE	RTIES		
Appearance	: liquid			
Appearance				

- Odor : No data available
- Odor Threshold : No data available

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	рН		:	No data available)
	Melting p	ooint/freezing point	:	No data available	
	Initial bo range	iling point and boiling	:	No data available	
	Flash po	int	:	No data available)
	Evapora	tion rate	:	No data available)
	Flammal	oility (solid, gas)	:	May form explosi handling or other	ve dust-air mixture during processing, means.
	Flammal	oility (liquids)	:	Not applicable	
	Upper ex flammab	xplosion limit / Upper ility limit	:	No data available	•
	Lower ex flammab	xplosion limit / Lower ility limit	:	No data available	
,	Vapor pr	ressure	:	No data available)
	Relative	vapor density	:	No data available)
	Relative	density	:	No data available)
	Density		:	No data available	9
:	Solubility Wate	r solubility	:	No data available	
		coefficient: n-	:	Not applicable	
	octanol/\ Autoignit	tion temperature	:	No data available)
	Decomp	osition temperature	:	No data available	9
	Viscosity Visco	, sity, kinematic	:	No data available	9
	Explosiv	e properties	:	Not explosive	
	Oxidizin	g properties	:	The substance or	r mixture is not classified as oxidizing.
	Molecula	ar weight	:	No data available	
	Particle	size	:	Not applicable	

SECTION 10. STABILITY AND REACTIVITY



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		y Il stability ty of hazardous reac-	:	Stable under non May form explosi handling or other	ve dust-air mixture during processing,
	Incompa	ns to avoid tible materials us decomposition	:	Heat, flames and Avoid dust forma Oxidizing agents No hazardous de	
	products				
SEC	CTION 11	. TOXICOLOGICAL I	NFC	RMATION	
	Informati exposure	on on likely routes of	:	Inhalation Skin contact Ingestion Eye contact	
	Acute to Not class	xicity sified based on availa	ble i	nformation.	
	Product	<u>:</u>			
	Acute or	al toxicity	:	Acute toxicity estin Method: Calculation	nate: > 5.000 mg/kg on method
	Acute inl	nalation toxicity	:	Acute toxicity estin Exposure time: 4 Test atmosphere: Method: Calculatio	n dust/mist
	<u>Compor</u>	nents:			
	Metamiz	:ol:			
	Acute or	al toxicity	:	LD50 Oral (Rat): 3 Target Organs: Ce	3.000 mg/kg entral nervous system
				LD50 Oral (Rabbit Target Organs: Ce	:): 2.150 mg/kg entral nervous system
					a pig): 1.000 mg/kg entral nervous system
	Benzyl a	alcohol:			
		al toxicity	:	LD50 (Rat): 1.620	mg/kg
	Acute inl	nalation toxicity	:	LC50 (Rat): > 4,17 Exposure time: 4 I Test atmosphere: Method: OECD Te	n dust/mist

Skin corrosion/irritation

Not classified based on available information.



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onents:					
/l alcohol:					
	: Rabbit				
		est Guideline 404			
t	: No skin ir	ritation			
us eye damage/eye	irritation				
assified based on av	ailable informatio	n.			
onents:					
l alcohol:					
es	: Rabbit				
		to eyes, reversing within 21 days			
d	: OECD Te	est Guideline 405			
Respiratory or skin sensitization					
sensitization					
assified based on av	ailable informatio	n.			
ratory sensitizatior	1				
-		n.			
onents:					
l alcohol:					
		ig est Guideline 406			
	: negative				
cell mutagenicity					
	ailable informatio	n.			
onents:					
nizol:					
oxicity in vitro		e: Ames test			
	Result: no	egative			
	Test Type	e: Mutagenicity (in vitro mammalian cytogenetic tes			
	Test system	em: Chinese hamster lung cells			
	Result: no	egative			
oxicity in vivo	: Test Type	e: Micronucleus test			
•	Species:	Mouse			
	Result: no	egative			
/l alcohol:					
	: Test Type	e: Bacterial reverse mutation assay (AMES)			
•	Result: n				
	30.09.2023 ponents: // alcohol: as ad t us eye damage/eye assified based on av ponents: // alcohol: es t d ratory or skin sens sensitization assified based on av ratory sensitizatior assified based on av ponents: // alcohol: so of exposure es of exposure es of exposure es of t	30.09.2023 10558926-00 ponents: // alcohol: es : Rabbit d : OECD Te t : No skin in us eye damage/eye irritation assified based on available information ponents: // alcohol: es : Rabbit t : Irritation t d : OECD Te ratory or skin sensitization assified based on available information ratory sensitization assified based on available information ponents: // alcohol: pye : Maximiza s of exposure : Skin cont es : Guinea p id : OECD Te t : negative cell mutagenicity assified based on available information ponents: nizol: oxicity in vitro : Test Type Species: Result: ne foxicity in vitro : Test Type Species: Result: ne solution in vitro : Test Type Species: Result: ne species: Result: ne species:			



Genoto	oxicity in vivo	: Test Type: Man cytogenetic ass Species: Mouse	nmalian erythrocyte micronucleus test (in vivo
		Application Rou Result: negative	e ite: Intraperitoneal injection
	ogenicity ssified based on av	ailable information.	
Compo	onents:		
Metam	izol:		
	s ation Route ure time	: Mouse, male : oral (feed) : 2 Years	
Result		: 375 mg/kg bw/c : negative	lay
	s ation Route ure time	: Mouse, female : oral (feed) : 2 Years : 442 mg/kg bw/c	lav
Result		: negative	iu y
	s ation Route ure time	: Rat, male : oral (drinking w : 2 Years : 150 mg/kg bw/c	
Result		: negative	
	s ation Route ure time	: Rat, female : oral (drinking w : 2 Years : 193 mg/kg bw/c	
Result		: negative	
Benzvl	alcohol:		
Species Applica	s ation Route ure time	: Mouse : Ingestion : 103 weeks : OECD Test Gui : negative	deline 451
-	ductive toxicity cted of damaging fe	tility or the unborn child	Ι.
<u>Compc</u>	onents:		
Metam	izol:		
Effects	on fertility	Species: Rat Application Rou	ility/early embryonic development ite: Oral c Development: NOAEL: 100 mg/kg body



		adverse reproduct Test Type: Fertilit Species: Rat Application Route Early Embryonic weight Result: Fetotoxici Test Type: Fertilit Species: Rabbit Application Route	ty/early embryonic development e: Oral Development: NOAEL: 400 mg/kg body ity., Increased resorptions. ty/early embryonic development
		Species: Rat Application Route Early Embryonic weight Result: Fetotoxici Test Type: Fertilit Species: Rabbit Application Route	e: Oral Development: NOAEL: 400 mg/kg body ity., Increased resorptions. ty/early embryonic development
		Species: Rabbit Application Route	
		weight	Development: NOAEL: 25 mg/kg body
Effects on fetal development	:	Result: Maternal	e: Oral oxicity: NOAEL: 250 mg/kg body weight toxicity observed., Reduced maternal body duced maternal food consumption., Reduced
Reproductive toxicity - As- sessment	:	Suspected of dan unborn child.	naging fertility. Suspected of damaging the
Benzyl alcohol:			
Effects on fertility	:	Species: Rat Application Route Result: negative	ty/early embryonic development e: Ingestion on data from similar materials
Effects on fetal development	:	Test Type: Embry Species: Mouse Application Route Result: negative	yo-fetal development e: Ingestion
STOT-single exposure Not classified based on availab		-	

STOT-repeated exposure

Causes damage to organs (Blood) through prolonged or repeated exposure if swallowed.

Components:

Metamizol:

Routes of exposure	:	Oral
Target Organs	:	Blood
Assessment	:	Causes damage to organs through prolonged or repeated exposure.



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Repe	ated dose toxicity		
<u>Com</u>	ponents:		
Meta	mizol:		
Speci		: Rat	
NOA		: 50 mg/kg	
	cation Route sure time	: Subcutaneous : 28 d	
	et Organs	: Blood	
Symp		: blood effects	
Speci		: Rat	
NOA		: 150 mg/kg	
	cation Route sure time	: Intravenous : 28 d	
	et Organs	: Blood	
Symp		: blood effects	
Speci		: Rat	
NOA		: 300 mg/kg	
	cation Route	: Oral	
	sure time et Organs	: 26 Weeks : Blood	
Symp		: blood effects	
Speci	ies	: Dog	
NOA		: 150 mg/kg	
	cation Route	: Subcutaneous	
	sure time et Organs	: 28 d : Blood	
Symp		: blood effects	
Speci		: Dog	
NOA		: 50 mg/kg	
	cation Route sure time	: Intravenous : 28 d	
	et Organs	: Blood, Gastroin	testinal tract
Symp			alivation, Vomiting
Speci		: Dog	
NOA		: 100 mg/kg	
	cation Route sure time	: Oral : 26 Weeks	
	et Organs	: Blood, Liver, Ki	dnev spleen
Symp		: blood effects	
Benz	yl alcohol:		
Speci	-	: Rat	
NOA		: 1,072 mg/l	
	cation Route	: inhalation (dust	/mist/fume)
	sure time	: 28 Days	
Metho	bd	: OECD Test Gu	ideline 412



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Not cl	ation toxicity assified based on availa								
-	Experience with human exposure <u>Components:</u>								
Metar Inges	mizol:		Target Organs:	Blood					
inges		•		d effects, Bloody urine, Diarrhea, Nausea,					
ECTION	12. ECOLOGICAL INFO	ORN	ATION						
Ecoto	oxicity								
Com	oonents:								
Metar	mizol:								
Toxici	ity to fish	:	Exposure time: 9	es promelas (fathead minnow)): > 100 mg. 96 h Test Guideline 203					
	ity to daphnia and other ic invertebrates	:	Exposure time: 4	magna (Water flea)): 47 mg/l 18 h Test Guideline 202					
Toxici plants	ity to algae/aquatic	:	50,8 mg/l Exposure time: 1	celis subcapitata (freshwater green alga)): 72 h Test Guideline 201					
	ic invertebrates (Chron-	:	Exposure time: 2	magna (Water flea)): 0,725 mg/l 21 d Test Guideline 211					
Benzy	yl alcohol:								
	ity to fish	:	LC50 (Pimephal Exposure time: 9	es promelas (fathead minnow)): 460 mg/l 96 h					
	ity to daphnia and other ic invertebrates	:	Exposure time: 4	magna (Water flea)): 230 mg/l 48 h Test Guideline 202					
Toxici plants	ity to algae/aquatic	:	mg/l Exposure time: 7	rchneriella subcapitata (green algae)): 770 72 h Test Guideline 201					
			mg/l Exposure time: 7	kirchneriella subcapitata (green algae)): 31 72 h Test Guideline 201					



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		ty to daphnia and other c invertebrates (Chron- city)	:	NOEC (Daphnia r Exposure time: 27 Method: OECD To	
	Persis	stence and degradabili	ty		
	<u>Comp</u>	onents:			
	Metan Biodeç	n izol: gradability	:	Result: Not readil Biodegradation:	
	•	r l alcohol: gradability	:	Result: Readily bi Biodegradation: 9 Exposure time: 14	92 - 96 %
	Bioac	cumulative potential			
	<u>Comp</u>	onents:			
	Partitic	r l alcohol: on coefficient: n- ol/water	:	log Pow: 1,05	
		i ty in soil ta available			
	Other	adverse effects ta available			

Disposal methods		
Waste from residues	: Do not dispose of waste into sewer. Dispose of in accordance with local regulations.	
Contaminated packaging	: 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 INFORMATION

International Regulations

UNRTDG UN number Proper shipping name	 : UN 3082 : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Metamizol)
Class	: 9
Packing group	: III
Labels	: 9



Versior 3.1		Revision Date: 30.09.2023		98 Number: 558926-00011	Date of last issue: 12.07.2023 Date of first issue: 14.01.2022	
Environmentally hazardous		:	yes			
IA	IATA-DGR					
U	UN/ID No.		:	UN 3082		
Pr	Proper shipping name		:	: Environmentally hazardous substance, liquid, n.o.s. (Metamizol)		
Cl	Class		:	9		
Pa	Packing group		:	III		
La	Labels Packing instruction (cargo aircraft) Packing instruction (passen- ger aircraft) Environmentally hazardous IMDG-Code UN number Proper shipping name		:	Miscellaneous		
			:	964		
			:	964		
Ĕr			:	yes		
IM						
			:	UN 3082		
Pr			:	N.O.S.	ALLY HAZARDOUS SUBSTANCE, LIQUID,	
Cl	Class		:	9		
Pa	Packing group		:	III		
La	Labels		:	9		
Er	EmS Code		:	F-A, S-F		
Ma	arine p	ollutant	:	yes		
Class Packing group Labels Packing instruction (cargo aircraft) Packing instruction (passen- ger aircraft) Environmentally hazardous IMDG-Code UN number Proper shipping name Class Packing group Labels			9 III Miscellaneous 964 964 964 yes UN 3082 ENVIRONMENTA N.O.S. (Metamizol) 9 III 9 F-A, S-F	ALLY HAZARDOUS SUBSTANCE, LIQUID,		

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

Not applicable for product as supplied.

Domestic regulation

ANTT UN number Proper shipping name	:	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Metamizol)
Class Packing group Labels Hazard Identification Number	: : :	9 III 9 90

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

National List of Carcinogenic Agents for Humans - (LINACH)	:	Not applicable
Brazil. List of chemicals controlled by the Federal Police	:	Metamizol



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The ingredients of this proc AICS DSL IECSC		duct : :	not determined	ne following inventories:		
SECTION	16. OTHER INFORMA	TIOI	N			
	Revision Date Date format		30.09.2023 dd.mm.yyyy			
Further information Sources of key data used to compile the Material Safety Data Sheet		:		data, data from raw material SDSs, OECD arch results and European Chemicals Agen- ropa.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 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



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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information 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 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.

BR / Z8