

Policresulen Formulation

Version 3.0	Revision Date: 28.09.2024		S Number: 11737-00010	Date of last issue: 30.09.2023 Date of first issue: 15.07.2020
SECTION	1. IDENTIFICATION			
Proc	luct identifier	:	Policresulen Fo	ormulation
Man	ufacturer or supplier'	s deta	ils	
Com	ipany	:	MSD	
Addı	ress	:		ento Soares, 530 Paulo - Brazil CEP 12730-340
Tele	phone	:	908-740-4000	
Eme	rgency telephone	:	1-908-423-600	0
E-ma	ail address	:	EHSDATASTE	WARD@msd.com
Rec	ommended use of the	e chem	ical and restric	tions on use
	ommended use rictions on use	:	Veterinary proo Not applicable	duct
SECTION	N 2. HAZARDS IDENTI	IFICAT	ION	
GHS	Classification in acc	ordan	ce with ABNT N	IBR 14725 Standard
Skin	corrosion	:	Category 1	
Serie	ous eye damage	:	Category 1	
GHS	label elements in ac	cordar	nce with ABNT	NBR 14725 Standard
Haza	ard pictograms	:		
Sign	al Word	:	Danger	
Haza	ard Statements	:	H314 Causes	severe skin burns and eye damage.
Prec	autionary Statements	:	Prevention:	

Prevention: P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P301 + P330 + P331 + P310 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/ doctor. P303 + P361 + P353 + P310 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Immediately call a POISON CENTER/ doctor.



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		and keep comfo POISON CENTH P305 + P351 + I water for severa and easy to do. CENTER/ docto	P338 + P310 IF IN EYES: Rinse cautiously with I minutes. Remove contact lenses, if present Continue rinsing. Immediately call a POISON
		Storage: P405 Store lock	ed up.

Additional Labeling

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 36 %

Other hazards which do not result in classification

Corrosive to the respiratory tract.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

: Mixture

Substance /	/ Mixture
-------------	-----------

Components

•			
Chemical name	CAS-No.	Classification	Concentration (% w/w)
2-Hydroxy-3,5-bis[(4-hydroxy-	101418-00-2	Met. Corr., 1	>= 30 -< 50
2-methyl-5-		Acute Tox. (Oral), 5	
sulfophenyl)methyl]-4-		Skin Corr., 1	
methylbenzenesulfonic acid		Eye Dam., 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. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
In case of skin contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention immediately.
If swallowed	If swallowed, DO NOT induce vomiting. If vomiting occurs have person lean forward. Call a physician or poison control center immediately.



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Most important symptoms and effects, both acute and delayed Protection of first-aiders Notes to physician		 Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Causes serious eye damage. Causes severe burns. Causes digestive tract burns. Corrosive to respiratory system. 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). Treat symptomatically and supportively. 		
SECTION	5. FIRE-FIGHTING ME	ASL	JRES	
Suitat	ble extinguishing media	:	Water spray Alcohol-resistar Carbon dioxide Dry chemical	
Unsui media	table extinguishing	:	None known.	
Speci fightin	fic hazards during fire g	:	Exposure to co	mbustion products may be a hazard to health.
Hazaı ucts	dous combustion prod-	:	Carbon oxides Sulfur oxides	
Speci ods	fic extinguishing meth-	:	cumstances an Use water spra	ng measures that are appropriate to local cir- d the surrounding environment. y to cool unopened containers. naged containers from fire area if it is safe to c
	al protective equipment e-fighters	:		ire, wear self-contained breathing apparatus. rotective equipment.

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 oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material. For large spills, provide diking or other appropriate



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		can be pumper container. Clean up rema absorbent. Local or nation disposal of this employed in th determine whic Sections 13 an	e keep material from spreading. If diked material d, store recovered material in appropriate alining materials from spill with suitable hal regulations may apply to releases and a material, as well as those materials and items e cleanup of releases. You will need to ch regulations are applicable. In 15 of this SDS provide information regarding i national requirements.

SECTION 7. HANDLING AND STORAGE

Technical measures	:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	:	If sufficient ventilation is unavailable, use with local exhaust ventilation.
Advice on safe handling	:	Do not get on skin or clothing. Do not breathe vapors or spray mist. Do not swallow. Do not get in eyes. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment Keep container tightly closed. 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, industrial hygiene monitoring, medical surveillance and the use of administrative controls.
Conditions for safe storage	:	Keep in properly labeled containers. Store locked up. Keep tightly closed. Store in accordance with the particular national regulations. Reacts with many metals to liberate hydrogen gas which can form explosive mixtures with air. Hydrogen, a highly flammable gas, can accumulate to explosive concentrations inside drums, or any types of steel containers or tanks upon storage.
Materials to avoid	:	Do not store with the following product types: Strong oxidizing agents Self-reactive substances and mixtures Organic peroxides Explosives



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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
2-Hydroxy-3,5-bis[(4-hydroxy- 2-methyl-5- sulfophenyl)methyl]-4- methylbenzenesulfonic acid	101418-00-2	TWA	OEB 1 (1 mg/m3)	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. Laboratory operations do not require special containment.
Personal protective equipme	ent	
Respiratory protection	:	If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.
Filter type Hand protection	:	Organic vapor Type
Material	:	Chemical-resistant gloves
Eye protection	:	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.
Skin and body protection	•	Work uniform or laboratory coat.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	liquid
Color	:	brown
Odor	:	phenol-like
Odor Threshold	:	No data available
рН	:	< 1
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	No data available



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Ev	vaporation rate	:	No data available	
FI	ammability (solid, gas)	:	Not applicable	
FI	ammability (liquids)	:	No data available)
	pper explosion limit / Upper ammability limit	:	No data available	
	ower explosion limit / Lower ammability limit	:	No data available	
Va	apor pressure	:	No data available)
R	elative vapor density	:	No data available)
R	elative density	:	1,135 No data available)
D	ensity	:	No data available)
So	olubility(ies) Water solubility	:	partly miscible	
	artition coefficient: n- ctanol/water	:	No data available	
	utoignition temperature	:	No data available)
D	ecomposition temperature	:	No data available	
Vi	scosity Viscosity, kinematic	:	6,78 mm²/s	
Ex	xplosive properties	:	Not explosive	
0	xidizing properties	:	The substance of	r mixture is not classified as oxidizing.
М	olecular weight	:	No data available	9
	article characteristics article size	:	No data available)

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
		Bases
Hazardous decomposition products	:	No hazardous decomposition products are known.



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ECTION	11. TOXICOLOGICAL	NF	ORMATION	
Inforn expos	nation on likely routes of sure	:	Inhalation Skin contact Ingestion Eye contact	
	e toxicity			
	assified based on availa	able	information.	
Produ Acute	oral toxicity	:	Acute toxicity e Method: Calcula	stimate: > 5.000 mg/kg ation method
<u>Com</u>	oonents:			
	droxy-3,5-bis[(4-hydrox	(y-2	-methyl-5-sulfo	ohenyl)methyl]-4-methylbenzenesulfonic ac
id: Acute	oral toxicity	:	LD50 (Mouse):	> 2.000 mg/kg
Acute	inhalation toxicity	:	Assessment: Co	prrosive to the respiratory tract.
-	corrosion/irritation es severe burns.			
<u>Comp</u>	ponents:			
2-Hyc id:	droxy-3,5-bis[(4-hydrox	(y-2	-methyl-5-sulfol	ohenyl)methyl]-4-methylbenzenesulfonic ac
Resul Rema		:	Corrosive after Based on extreme	4 hours or less of exposure me pH
	us eye damage/eye irr i es serious eye damage.	itati	on	
	oonents:			
2-Hyc	droxy-3,5-bis[(4-hydrox	(y-2	-methyl-5-sulfo	phenyl)methyl]-4-methylbenzenesulfonic ac
id: Resul Rema		:	Irreversible effe Based on skin o	
				,
-	iratory or skin sensitiz	atic	n	
	sensitization assified based on availa	able	information.	
-	iratory sensitization assified based on availa	able	information.	
	cell mutagenicity			
NOT C	assified based on availa	DIE	information.	



ersion .0	Revision Date: 28.09.2024		DS Number: 11737-00010	Date of last issue: 30.09.2023 Date of first issue: 15.07.2020
Com	ponents:			
-	droxy-3,5-bis[(4-hydı	oxy-2	-methyl-5-sulfo	phenyl)methyl]-4-methylbenzenesulfonic a
id: Geno	toxicity in vitro	:	Test Type: Bac Result: negative	terial reverse mutation assay (AMES) e
	i nogenicity lassified based on ava	ailable	information.	
	oductive toxicity lassified based on ava	ailable	information.	
<u>Com</u>	ponents:			
2-Hyo id:	droxy-3,5-bis[(4-hydi	oxy-2	-methyl-5-sulfo	phenyl)methyl]-4-methylbenzenesulfonic a
Effect	ts on fertility	:	Test Type: Fert Species: Rat Application Rou Result: negative	
Effect	ts on fetal developme	nt :	Test Type: Fert Species: Rat Application Rou Result: negative	
	F-single exposure lassified based on ava	ailable	information.	
	F-repeated exposure lassified based on ava	alabla	information	
	ated dose toxicity			
•	ponents:			
		oxy-2	-methyl-5-sulfo	phenyl)methyl]-4-methylbenzenesulfonic a
Speci NOAE Applic		:	Rat 150 mg/kg Ingestion 3 Months	
•	ration toxicity lassified based on ava	ailable	information.	



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SECTION	12. ECOLOGICAL IN	FORMATION	
Ecot	oxicity		
Com	ponents:		
2-Hyo id:	droxy-3,5-bis[(4-hydr	oxy-2-methyl-5-sul	fophenyl)methyl]-4-methylbenzenesulfonic ac
Ecot	oxicology Assessme	nt	
	e aquatic toxicity		cannot be excluded
Chro	nic aquatic toxicity	: Toxic effects	cannot be excluded
	i stence and degradal ata available	oility	
Bioa	ccumulative potentia	I	
Com	ponents:		
2-Hy id:	droxy-3,5-bis[(4-hydr	oxy-2-methyl-5-sul	fophenyl)methyl]-4-methylbenzenesulfonic ac
	ion coefficient: n- ol/water	: log Pow: 1,60 Remarks: Ca	
	lity in soil ata available		
	r adverse effects ata available		
SECTION	13. DISPOSAL CON	SIDERATIONS	
Disp	osal methods		
-	e from residues	: Do not dispo	se of waste into sewer.

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 waster 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 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (2-Hydroxy-3,5-bis[(4-hydroxy-2-methyl-5- sulfophenyl)methyl]-4-methylbenzenesulfonic acid)
Class	: 8
Packing group	: 11
Labels	: 8



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	Enviror	nmentally hazardous	:	no	
		DGR			
	UN/ID	No.	:	UN 3265	
	Proper	shipping name	:	(2-Hydroxy-3,5-b	acidic, organic, n.o.s. is[(4-hydroxy-2-methyl-5- yl]-4-methylbenzenesulfonic acid)
	Class		:	8	
		g group	:	II	
	Labels		:	Corrosive	
	Packin aircraft	g instruction (cargo)	:	855	
	Packin ger airc	g instruction (passen- craft)	:	851	
	IMDG-	Code			
	UN nur	mber	:	UN 3265	
	Proper	shipping name	:		UID, ACIDIC, ORGANIC, N.O.S. s[(4-hydroxy-2-methyl-5-sulfophenyl)methyl]- sulfonic acid)
	Class		:	8	
	Packin	g group	:	II	
	Labels		:	8	
	EmS C	ode	:	F-A, S-B	
	Marine	pollutant	:	no	

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	:	UN 3265
Proper shipping name	:	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (2-Hydroxy-3,5-bis[(4-hydroxy-2-methyl-5-sulfophenyl)methyl]-4-methylbenzenesulfonic acid)
Class	:	8
Packing group	:	II
Labels	:	8
Hazard Identification Number	:	80

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	:	Not applicable



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The in AICS	gredients of this pr	roduct are reported in : not determined	n the following inventories:
DSL		: not determined	I
IECSC	;	: not determined	I
SECTION 1	16. OTHER INFORM	ATION	

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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/

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

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 Recom-



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mendations 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.

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