

Version 2.2	Revision Date: 28.09.2024		S Number: 39791-00008	Date of last issue: 30.09.2023 Date of first issue: 26.05.2020		
SECTIO	N 1. IDENTIFICATION					
Pro	Product name		: Phthalylsulfathiazole / Sulfamerazine Formulation			
Mar	ufacturer or supplier's	s deta	ils			
Con	npany	:	MSD			
Add	Address		Talcahuano 750, 6th floor, Ciudad Autonoma Buenos Aires, Argentina C1013AAP			
Tele	Telephone		908-740-4000			
Eme	Emergency telephone		1-908-423-6000			
E-m	E-mail address		EHSDATASTEWARD@msd.com			
Rec	ommended use of the	chem	ical and restriction	ons on use		
	ommended use trictions on use	:	Veterinary produ Not applicable	ict		

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Additional Labeling

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 10 %

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.	Concentration (% w/w)
Kaolin	1332-58-7	>= 70 -< 90
Phthalylsulfathiazole	85-73-4	>= 10 -< 20
Aluminum hydroxide	21645-51-2	>= 10 -< 20
Sulfamerazine	127-79-7	>= 5 -< 10



Version 2.2	Revision Date: 28.09.2024		DS Number:Date of last issue: 30.09.202339791-00008Date of first issue: 26.05.2020				
SECTION	N 4. FIRST AID MEASU	RES					
Gen	eral advice	advid	ce immediate n symptoms	cident or if you feel unwell, seek medical ely. persist or in all cases of doubt seek medical			
lf inh	naled		If inhaled, remove to fresh air. Get medical attention if symptoms occur.				
In ca	ase of skin contact	: Wasl	Wash with water and soap. Get medical attention if symptoms occur.				
In case of eye contact		: If in e	If in eyes, rinse well with water. Get medical attention if irritation develops and persists.				
lf sw	If swallowed		If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.				
and dela Prote	t important symptoms effects, both acute and yed ection of first-aiders es to physician	: Cont the s Dust : No s	Contact with dust can cause mechanical irritation or drying of the skin. Dust contact with the eyes can lead to mechanical irritation. No special precautions are necessary for first aid responders. Treat symptomatically 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	:	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides Nitrogen oxides (NOx) Sulfur oxides Metal 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	:	Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES



Vers 2.2	sion	Revision Date: 28.09.2024		S Number: 39791-00008	Date of last issue: 30.09.2023 Date of first issue: 26.05.2020
	tive equ	al precautions, protec- uipment and emer- procedures	:		ing advice (see section 7) and personal ent recommendations (see section 8).
	Enviror	mental precautions	:	Retain and dispos	akage or spillage if safe to do so. e of contaminated wash water. should be advised if significant spillages
	Methods and materials for : containment and cleaning up		:	container for dispo Avoid dispersal of with compressed a Dust deposits sho surfaces, as these released into the a Local or national r disposal of this ma employed in the c determine which r Sections 13 and 1	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 dust. 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. Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage	: Keep in properly labeled containers. Store in accordance with the particular national regulations.
Materials to avoid	: Do not store with the following product types: Strong oxidizing agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

	Components	CAS-No.	Value type	Control parame-	Basis
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sion	Revision Date: 28.09.2024	SDS Number: 5939791-00008						
			(Form of exposure)	ters / Permissible concentration				
Kaolir	1	1332-58-7	CMP (Res- pirable frac- tion)	2 mg/m ³	AR OEL			
		Further inform	ation: A4 - Not o	classifiable as a huma	an carcinog			
			TWA (Respirable particulate matter)	2 mg/m³	ACGIH			
Phtha	lylsulfathiazole	85-73-4	TWA	OEB 2 (>= 100 < 1000 μg/m3)	Internal			
Alumi	num hydroxide	21645-51-2	(Respirable (Aluminum) particulate matter)					
Sulfar	merazine	zine 127-79-7 TWA OEB 2 (>= 100 < 1000 μg/m3)						
Perso	onal protective equipr	protect produ	design and operated in accordance with GMP principles to protect products, workers, and the environment.					
	ratory protection	: If adequate lo exposure ass	sessment demor	ntilation is not availab Instrates exposures ou e respiratory protectio	utside the			
Hand	ter type protection aterial	: Particulates t	Particulates type Chemical-resistant gloves					
Еуе р	rotection	If the work er mists or aero Wear a faces	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					
	and body protection ne measures	: If exposure to eye flushing s working place When using of Wash contan The effective engineering of appropriate of	systems and saf e. do not eat, drink ninated clothing operation of a fa controls, proper legowning and d iene monitoring	ely during typical use, ety showers close to or smoke. before re-use. acility should include personal protective e lecontamination proc , medical surveillance	the review of quipment, edures,			

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES



Version 2.2	Revision Date: 28.09.2024		S Number: 9791-00008	Date of last issue: 30.09.2023 Date of first issue: 26.05.2020
Арр	earance	:	fine powder	
Colo	or	:	White to light yell	ow
Odd	pr	:	characteristic	
Odc	or Threshold	:	No data available	9
pН		:	No data available)
Melt	ting point/freezing point	:	No data available)
Initia ranç	al boiling point and boiling ge	:	No data available	
Flas	sh point	:	Not applicable	
Eva	poration rate	:	Not applicable	
Flar	nmability (solid, gas)	:	May form explosi handling or other	ve dust-air mixture during processing, means.
Flar	nmability (liquids)	:	Not applicable	
	er explosion limit / Upper mability limit	:	No data available	9
	er explosion limit / Lower mability limit	:	No data available	
Vap	or pressure	:	Not applicable	
Rela	ative vapor density	:	Not applicable	
Rela	ative density	:	No data available)
Den	sity	:	No data available)
	ubility(ies) Vater solubility	:	practically insolul	ble
	ition coefficient: n- nol/water	:	Not applicable	
	bignition temperature	:	No data available)
Dec	omposition temperature	:	No data available)
	cosity /iscosity, kinematic	:	Not applicable	
Exp	losive properties	:	Not explosive	
Oxic	dizing properties	:	The substance of	r mixture is not classified as oxidizing.



Version 2.2	Revision Date: 28.09.2024		9S Number: 39791-00008	Date of last issue: 30.09.2023 Date of first issue: 26.05.2020	
Mole	ecular weight	:	No data available	9	
	cle characteristics cle size	:	No data available		
SECTION	10. STABILITY AND RE	EAC	τινιτγ		
Che	ctivity nical stability sibility of hazardous reac-	:	Stable under nor May form explos handling or other	ive dust-air mixture during processing,	
Con	ditions to avoid	:	Heat, flames and		
Haza	Incompatible materials Hazardous decomposition products		Avoid dust formation. Oxidizing agents No hazardous decomposition products are known.		
SECTION	11. TOXICOLOGICAL I	NF	ORMATION		
	mation on likely routes of sure	:	Inhalation Skin contact Ingestion Eye contact		
	te toxicity classified based on availa	hle	information		
	iponents:	010			
Kao	lin:				
Acut	Acute oral toxicity : LD50 (Rat): > 5.000 m		00 mg/kg		
Acut	Acute dermal toxicity		LD50 (Rat): > 5.000 mg/kg		
Phth	alylsulfathiazole:				
Acut	e oral toxicity	:	LD50 (Rat, female Method: OECD To Assessment: The icity		
Acut	e dermal toxicity	:	LD50 (Rat): > 2.000 mg/kg Method: OECD Test Guideline 402 Assessment: The substance or mixture has no acute de toxicity		
Alur	ninum hydroxide:				
	e oral toxicity	:	LD50 (Rat): > 2.0 Method: OECD To Assessment: The		



sion	Revision Date: 28.09.2024	SDS Number: 5939791-00008	Date of last issue: 30.09.2023 Date of first issue: 26.05.2020
		icity	
Acute	inhalation toxicity	Assessment: tion toxicity	
Sulfa	merazine:		
Acute	oral toxicity	: LD50 (Mouse): 25.000 mg/kg
Not cl	corrosion/irritation assified based on ava	ailable information.	
	<u>oonents:</u>		
Kaoli Speci Metho Resul	es od	: Rabbit : OECD Test G : No skin irritati	
Phtha	alylsulfathiazole:		
Speci		: Rabbit	
Metho Resul		: OECD Test G : No skin irritati	
Alum	inum hydroxide:		
Speci	es	: Rabbit	
Metho Resul		: OECD Test G : No skin irritati	
Serio	us eye damage/eye	irritation	
	assified based on ava	ailable information.	
-	<u>oonents:</u>		
Kaoli		Dabb?	
Speci Resul		: Rabbit : No eye irritati	on
Phtha	alylsulfathiazole:		
Speci	•	: Rabbit	
Resul	t	: No eye irritati	
Metho	bd	: OECD Test G	
	inum hydroxide:		
	-		
Alum Speci Resul	es	: Rabbit : No eye irritati	



Version 2.2	Revision Date: 28.09.2024	SDS Number: 5939791-00008	Date of last issue: 30.09.2023 Date of first issue: 26.05.2020
Meth	od	: OECD Test G	Guideline 405
Resp	iratory or skin sens	tization	
Skin	sensitization		
Not c	lassified based on av	ailable information.	
-	iratory sensitization lassified based on av		
Com	ponents:		
Alum	inum hydroxide:		
Test Route Spec Meth Resu	es of exposure ies od	: Maximization : Skin contact : Guinea pig : OECD Test G : negative	
	n cell mutagenicity lassified based on av	ailable information.	
Com	ponents:		
Alum	inum hydroxide:		
	toxicity in vitro		vitro mammalian cell gene mutation test D Test Guideline 476 ive
		Result: positiv	nromosome aberration test in vitro ve sed on data from similar materials
		thesis in man Result: equiv	NA damage and repair, unscheduled DNA syn- nmalian cells (in vitro) ocal sed on data from similar materials
		Result: positiv	vitro micronucleus test ve sed on data from similar materials
Genc	otoxicity in vivo	cytogenetic a Species: Rat Application R	oute: Ingestion D Test Guideline 474

Carcinogenicity

Not classified based on available information.



ersion 2	Revision Date: 28.09.2024		OS Number: 39791-00008	Date of last issue: 30.09.2023 Date of first issue: 26.05.2020
Com	ponents:			
Alum	inum hydroxide:			
	cation Route sure time It		Rat inhalation (dust 86 weeks negative Based on data	/mist/fume) from similar materials
Repr	oductive toxicity			
-	lassified based on avail	able	information.	
Com	ponents:			
Alum	inum hydroxide:			
Effec	ts on fertility	:	reproduction/de Species: Rat Application Rou Method: OECD Result: negativ	Test Guideline 422
Effec	ts on fetal development	:	Test Type: Eml Species: Rat Application Rou Result: negativ	
	F-single exposure lassified based on availa	oblo	information	
		able	iniormation.	
	Γ-repeated exposure lassified based on availa	able	information.	
Repe	ated dose toxicity			
Com	ponents:			
	inum hydroxide:			
Spec	-		Rat	

Species NOAEL Application Route Exposure time Method Remarks	-	Rat > 100 mg/kg Ingestion 364 Days OECD Test Guideline 426 Based on data from similar materials
Species NOAEL Application Route Exposure time Remarks	:	Rat > 0,2 mg/kg inhalation (dust/mist/fume) 12 Months Based on data from similar materials



ersion .2	Revision Date: 28.09.2024		OS Number: 39791-00008	Date of last issue: 30.09.2023 Date of first issue: 26.05.2020
-	ation toxicity			
Not cl	lassified based on availa	ble	information.	
ECTION	12. ECOLOGICAL INFO	DRN	IATION	
Ecoto	oxicity			
Com	oonents:			
Phtha	alylsulfathiazole:			
Ecoto	oxicology Assessment			
	aquatic toxicity	:	Toxic effects can	not be excluded
Chror	nic aquatic toxicity	:	Toxic effects can	not be excluded
Alum	inum hydroxide:			
Toxic	ity to fish	:	LL50 (Salmo trut Exposure time: 9	a (brown trout)): > 100 mg/l 6 h
	ity to daphnia and other ic invertebrates	:	EL50 (Daphnia m Exposure time: 4	nagna (Water flea)): > 100 mg/l 8 h
Toxic plants	ity to algae/aquatic	:	EL50 (Selenastru Exposure time: 9	ım capricornutum (green algae)): > 100 mg/ 6 h
Sulfa	merazine:			
Toxic	ity to fish	:	LC50 (Morone sa Exposure time: 9	ixatilis (striped bass)): > 100 mg/l 6 h
	ity to daphnia and other ic invertebrates	:	EC50 (Daphnia n Exposure time: 4	nagna (Water flea)): 227 mg/l 8 h
Persi	stence and degradabil	ity		
No da	ata available			
Bioad	ccumulative potential			
<u>Comp</u>	oonents:			
Phtha	alylsulfathiazole:			
	ion coefficient: n- ol/water	:	log Pow: -2	
Partiti	merazine: ion coefficient: n- ol/water	:	log Pow: 0,728	
	lity in soil ata available			



	Version 2.2	Revision Date: 28.09.2024	SDS Number: 5939791-00008	Date of last issue: 30.09.2023 Date of first issue: 26.05.2020
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Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

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

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Argentina. Carcinogenic Substances and Agents Registry.	:	Not applicable
Control of precursors and essential chemicals for the preparation of drugs.	:	Not applicable

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	: 28.09.2024
Date format	: dd.mm.yyyy



Version	Revision Date:	SDS Number:	Date of last issue: 30.09.2023
2.2	28.09.2024	5939791-00008	Date of first issue: 26.05.2020

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/
	USA. ACGIH Threshold Limit Values (TLV) Argentina. Occupational Exposure Limits

ACGIH / TWA	:	8-hour, time-weighted average
AR OEL / CMP	:	TLV (Threshold Limit Value)

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



Version	Revision Date:	SDS Number:	Date of last issue: 30.09.2023
2.2	28.09.2024	5939791-00008	Date of first issue: 26.05.2020

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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