

Version	Revision Date:	SDS Number:	Date of last issue: 04/04/2023
7.0	09/30/2023	1737581-00020	Date of first issue: 06/08/2017

SECTION 1. IDENTIFICATION

Product name Other means of identification	:	Sulfadiazine (20%) / Trimethoprim (4%) Liquid Formulation No data available				
Manufacturer or supplier's o	deta	ails				
Company name of supplier	:	Merck & Co., Inc				
Address	:	126 E. Lincoln Avenue				
		Rahway, New Jersey U.S.A. 07065				
Telephone	:	908-740-4000				
Emergency telephone	:	1-908-423-6000				
E-mail address	:	EHSDATASTEWARD@merck.com				
Recommended use of the chemical and restrictions on use						
Recommended use	:	Veterinary product				
Restrictions on use	:	Not applicable				

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the Hazardous Products Regulations

Skin corrosion	:	Category 1
Serious eye damage	:	Category 1
Respiratory sensitization	:	Category 1
Reproductive toxicity	:	Category 2
Specific target organ toxicity - single exposure	:	Category 3
Specific target organ toxicity - repeated exposure	:	Category 1 (Bone marrow)
GHS label elements		
Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	 H314 Causes severe skin burns and eye damage. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation. H361 Suspected of damaging fertility or the unborn child. H372 Causes damage to organs (Bone marrow) through prolonged or repeated exposure.



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Precautionary Statements	P202 Do not ha and understood P260 Do not bro P264 Wash skir P270 Do not ea P271 Use only P280 Wear prot and face protec	eathe mist or vapors. n thoroughly after handling. t, drink or smoke when using this product. outdoors or in a well-ventilated area. tective gloves, protective clothing, eye protection
	Do NOT induce P303 + P361 + immediately all Immediately cal P304 + P340 + and keep comfo CENTER. P305 + P351 + water for severa and easy to do. CENTER. P308 + P313 IF P342 + P311 If tor.	 P331 + P310 IF SWALLOWED: Rinse mouth. vomiting. Immediately call a POISON CENTER. P353 + P310 IF ON SKIN (or hair): Take off contaminated clothing. Rinse skin with water. I a POISON CENTER. P310 IF INHALED: Remove person to fresh air ortable for breathing. Immediately call a POISON P338 + P310 IF IN EYES: Rinse cautiously with al minutes. Remove contact lenses, if present Continue rinsing. Immediately call a POISON ^T exposed or concerned: Get medical attention. experiencing respiratory symptoms: Call a doc- ntaminated clothing before reuse.
	Storage: P405 Store lock	ked up.
	Disposal:	of contents and container to an approved waste
Other hazards None known.		
ECTION 3. COMPOSITION/IN	FORMATION ON ING	REDIENTS

Components

Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
sulfadiazine	Benzenesulfon- amide, 4-amino- N-2-pyrimidinyl-		20
Trimethoprim	2,4-	738-70-5	4



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		Pyrimidinedia- mine, 5-[(3,4,5- trimethoxy- phenyl)methyl]-			
Sodiun	n hydroxide	Caustic soda	1310-73-2		3
2,2'-Im	inodiethanol	Ethanol, 2,2'- iminobis-	111-42-2		0.6

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. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	:	Causes serious eye damage. May cause allergy or asthma symptoms or breathing difficul- ties if inhaled. May cause respiratory irritation. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Causes severe burns. Causes digestive tract burns. Excessive exposure may aggravate preexisting asthma and other respiratory disorders (e.g. emphysema, bronchitis, reac- tive airways dysfunction syndrome).
Protection of first-aiders	:	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	:	Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES



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\$	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		rod- :	Carbon oxides Metal oxides Nitrogen oxides (NOx)	
	Specific extinguishing me ods	eth- :	cumstances and Use water spray	g measures that are appropriate to local cir- the surrounding environment. to cool unopened containers. ged containers from fire area if it is safe to do	
	Special protective equipr for fire-fighters	nent :		e, wear self-contained breathing apparatus. tective 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 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 containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

SECTION 7. HANDLING AND STORAGE

Technical measures

: See Engineering measures under EXPOSURE



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	Il/Total ventilation ce on safe handling	 If sufficient verventilation. Do not get on a Do not breather Do not swallow Do not get in e Wash skin tho Handle in accorpractice, based assessment Keep containe Already sensitit to asthma, aller should consult respiratory irrit Do not eat, dri Take care to p 	Do not get on skin or clothing. Do not breathe mist or vapors. 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. Already sensitized individuals, and those susceptible to asthma, allergies, chronic or recurrent respiratory disease, should consult their physician regarding working with respiratory irritants or sensitizers. Do not eat, drink or smoke when using this product.			
Cond	ditions for safe storage	Store locked u Keep tightly clo Keep in a cool				
Mate	erials to avoid	: Do not store w Strong oxidizir	ith the following product types: ig agents ubstances and mixtures			

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type	Control parame-	Basis
		(Form of	ters / Permissible	
		exposure)	concentration	
sulfadiazine	68-35-9	TWA	2 mg/m3 (OEB 1)	Internal
Trimethoprim	738-70-5	TWA	400 µg/m3 (OEB 2)	Internal
Sodium hydroxide	1310-73-2	(C)	2 mg/m ³	CA AB OEL
		С	2 mg/m ³	CA BC OEL
		С	2 mg/m ³	CA QC OEL
		С	2 mg/m ³	ACGIH
2,2'-Iminodiethanol	111-42-2	TWA	2 mg/m ³	CA AB OEL
		TWA	2 mg/m ³	CA BC OEL
		TWAEV (in- halable frac-	1 mg/m ³	CA QC OEL
		tion and va- pour)		

Ingredients with workplace control parameters



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				TWA (Inhalable fraction and vapor)	1 mg/m³	ACGIH	
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.				
Perse	onal protective equip	ment					
Fi Hand	Respiratory protection Filter type Hand protection		If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection. Particulates type				
M	aterial	÷	Chemical-resistant gloves				
Eye p	protection	:	If the work env mists or aeros Wear a facesh	vironment or act sols, wear the ap nield or other ful	shields or goggles. ivity involves dusty c propriate goggles. I face protection if the he face with dusts, n	ere is a	
	Skin and body protection : Hygiene measures :		Work uniform or laboratory coat. 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.			the review of quipment, edures,	

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	off-white to beige
Odor	:	No data available
Odor Threshold	:	No data available
рН	:	10.0 - 10.5
Melting point/freezing point	:	No data available



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	Initial b range	oiling point and boiling	:	No data available	
	Flash p	oint	:	No data available	9
	Evapor	ation rate	:	No data available)
	Flamma	ability (solid, gas)	:	Not applicable	
	Flamma	ability (liquids)	:	No data available)
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	9
	Vapor p	pressure	:	No data available	9
	Relative	e vapor density	:	No data available	9
	Relative	e density	:	No data available)
	Density	,	:	No data available)
	Solubili Wat	ty(ies) er solubility	:	No data available	9
		n coefficient: n-	:	Not applicable	
	octanol Autoigr	nition temperature	:	No data available)
	Decom	position temperature	:	No data available	9
	Viscosi Visc	ty sosity, kinematic	:	No data available)
	Explosi	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance of	r mixture is not classified as oxidizing.
	Particle	size	:	Not applicable	

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		



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	Incomp	ons to avoid atible materials	:							
	Hazardous decomposition : No hazardous decomposition products are known. products									
SEC	SECTION 11. TOXICOLOGICAL INFORMATION									
	Informa Inhalatio Skin co Ingestic Eye cor	ntact on	ofe	exposure						
	Acute t Not clas	oxicity ssified based on availa	ble	information.						
	Produc	t:								
	-	ral toxicity	:	Acute toxicity estin Method: Calculation	mate: > 2,000 mg/kg on method					
	<u>Compo</u>	nents:								
	sulfadia	azine:								
	Acute o	ral toxicity	:	LD50 (Mouse): 1,	500 mg/kg					
	Acute d	ermal toxicity	:	LD50 (Rat): > 5,00 Remarks: Based o	00 mg/kg on data from similar materials					
	Acute to adminis	oxicity (other routes of tration)	:	LD50 (Rat): 880 n Application Route						
				LD50 (Mouse): 18 Application Route						
	Trimeth	noprim:								
		ral toxicity	:	LD50 (Rat): 1,500	- 5,300 mg/kg					
				LD50 (Mouse): 1,9	910 - 7,000 mg/kg					
	Acute to adminis	oxicity (other routes of tration)	:	LD50 (Rat): 400 - Application Route						
				LD50 (Dog): 90 m Application Route						
				LD50 (Mouse): 13 Application Route						

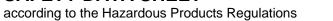
Sodium hydroxide:



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Acute i	nhalation toxicity	:	Assessment: Corr	osive to the respiratory tract.
2,2'-Im	inodiethanol:			
	oral toxicity	:	LD50 (Rat): 1,600	mg/kg
Acute i	nhalation toxicity	:	LC50 (Rat, male): Exposure time: 4 I Test atmosphere:	h
	orrosion/irritation s severe burns.			
Compo	onents:			
sulfad	iazine:			
Result		:	Skin irritation	
Remar		:	Based on data fro	m similar materials
	n hydroxide:			
Result		:	Corrosive after 3 r	minutes or less of exposure
2.2'-Im	inodiethanol:			
Specie		:	Rabbit	
Result		:	Skin irritation	
Causes	i s eye damage/eye irri s serious eye damage. onents:	tati	on	
sulfadi			Dabbit	
Specie Result	S	:	Rabbit Irritation to eves r	eversing within 7 days
Remar	ks	÷		m similar materials
	n hydroxide:			
Result Remar		:	Irreversible effects	
Remai	KS	·	Based on skin cor	rosivity.
2,2'-Im	inodiethanol:			
Specie		:	Rabbit	
Result		:	Irreversible effects	s on the eye
Respir	atory or skin sensitiz	atio	n	

Skin sensitization

Not classified based on available information.





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	espiratory sensitization ay cause allergy or asthma	sym	ptoms or breathing	difficulties if inhaled.
<u>Cc</u>	omponents:			
su	lfadiazine:			
	st Type	:	Maximization Tes	t
	ecies esult	:	Guinea pig Not a skin sensitiz	zor
	emarks	:		m similar materials
Tri	imethoprim:			
Те	st Type	:	Maximization Tes	t
Ro	outes of exposure	:	Dermal Guinea pig	
	esult	:	Not a skin sensitiz	zer.
	odium hydroxide:			
Te	st Type	:	-	ult patch test (HRIPT)
	outes of exposure esult	:	Skin contact negative	
2,2	2'-Iminodiethanol:			
Те	st Type	:	Maximization Tes	t
	outes of exposure	:	Skin contact Guinea pig	
	ethod	÷	OECD Test Guide	eline 406
Re	esult	:	negative	
	erm cell mutagenicity			
Nc	ot classified based on availa	able	information.	
	omponents:			
	lfadiazine:			
Ge	enotoxicity in vitro	:	Result: negative	ial reverse mutation assay (AMES)
				on data from similar materials
			Test Type: Chrom	accord observation
				nosomal aberration nese hamster ovary cells
			Result: negative	-
			Remarks: Based	on data from similar materials
Tri	imethoprim:			
Ge	enotoxicity in vitro	:		ial reverse mutation assay (AMES)
			Result: negative	
			Test Type: Chrom	nosomal aberration

SAFETY DATA SHEET

according to the Hazardous Products Regulations



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II		Result: neg	ative
		Test Type: Result: neg	In vitro mammalian cell gene mutation test ative
			DNA damage and repair, unscheduled DNA syn- ammalian cells (in vitro) ative
Geno	otoxicity in vivo	: Test Type: Species: Ra Result: neg	
		Test Type: Species: He Result: neg	
11 2,2'-l	minodiethanol:		
Geno	otoxicity in vitro	: Test Type: Result: neg	Bacterial reverse mutation assay (AMES) ative
		Test Type: Result: neg	In vitro mammalian cell gene mutation test ative
		Test Type: Result: neg	Chromosome aberration test in vitro ative
		Test Type: malian cells Result: neg	
Geno	otoxicity in vivo	cytogenetic Species: M	ouse Route: Skin contact
	inogenicity		
	classified based on a	ilable information.	
	ponents:		
2,2'-I Spec	minodiethanol:	: Mouse	
	cation Route	: Skin contac	t
Evaa	ouro timo	· 102 wooko	

	Application Route Exposure time Result Remarks	:	Skin contact 103 weeks positive The mechanism or mode of action may not be relevant in hu- mans.
I	Species	:	Rat



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Applica Exposi Result	ation Route ure time	:	Skin contact 103 weeks negative	
Carcino ment	ogenicity - Assess-	:	Weight of evidenc cinogen	e does not support classification as a car-
Suspec	ductive toxicity cted of damaging fertilit pnents:	y or	the unborn child.	
sulfad	iazine: on fetal development	:	Result: Embryoto:	
Trimet	hoprim:			
	on fertility	:	Test Type: Fertility Species: Rat Application Route Fertility: NOAEL: Result: No effects	: Oral 70 mg/kg body weight
Effects	on fetal development	:	Result: Effects on	: Oral oxicity: LOAEL: 70 mg/kg body weight
			Result: Embryoto:	: Oral pxicity: LOAEL: 70 mg/kg body weight
			Test Type: Develo Species: Hamster Application Route Developmental To	

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Ш			Result: Embryoto:	xic effects., No teratogenic effects.
Repro sessm	oductive toxicity - As- nent	:	Suspected of dam	naging the unborn child.
2,2'-Ir	ninodiethanol:			
Effect	s on fertility	:	Test Type: One-g Species: Rat Application Route Method: OECD To Result: positive	5
Effect	s on fetal development	:	Test Type: One-g Species: Rat Application Route Method: OECD To Result: positive	
Repro sessn	oductive toxicity - As- nent	:		f adverse effects on sexual function and development, based on animal experiments.
	-single exposure ause respiratory irritatio	n.		
<u>Comp</u>	oonents:			
sulfac	diazine:			
Asses	ssment	:	May cause respire	atory irritation.
Cause	F-repeated exposure es damage to organs (Bo ponents:	one	marrow) through p	rolonged or repeated exposure.
Targe	ethoprim: et Organs esment	:	Bone marrow Causes damage t exposure.	o organs through prolonged or repeated
Route Targe	ninodiethanol: es of exposure et Organs esment	:	Shown to produce	ver, Nervous system e significant health effects in animals at con-) to 100 mg/kg bw.

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Routes of exposure Target Organs Assessment		: Kidney, B : Shown to	 inhalation (dust/mist/fume) Kidney, Blood Shown to produce significant health effects in animals at concentrations of >0.02 to 0.2 mg/l/6h/d. 				
	s of exposure Organs sment	: Blood, Liv : Shown to	 Skin contact Blood, Liver, Kidney Shown to produce significant health effects in animals at concentrations of >20 to 200 mg/kg bw. 				
-	ted dose toxicity						
	<u>onents:</u>						
Specie NOAE LOAEI Applica Expos	L	: Rat : 100 mg/k : 300 mg/k : Oral : 6 Months : Bone mar	g	er, Pituitary gland, Thyroid			
Expos		: Rat : 300 mg/k : Oral : 3 Months : Bone mai	_				
Expos	L	: Dog : 2.5 mg/kg : 45 mg/kg : Oral : 3 Months : Blood, Th					
2,2'-Im	ninodiethanol:						
		: Rat, fema : 14 mg/kg : Ingestion : 13 Weeks					
	L ation Route ure time	: Rat : 0.015 mg : inhalation : 90 Days : OECD Te	(dust/m				
		: Rat : 32 mg/kg : Skin cont : 13 Weeks					



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Aspira	ation toxicity		

Not classified based on available information.

Experience with human exposure

Components:

sulfadiazine:	:	May cause eye, skin, and respiratory tract irritation.
Trimethoprim:		
Ingestion	:	Target Organs: Bone marrow Symptoms: Abdominal pain, Nausea, Vomiting, skin rash, Dizziness, Headache, mental depression, confusion

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

sulfadiazine:

suitadiazine:		
Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	:	EC50 (Anabaena flos-aquae): 17 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
		NOEC (Anabaena flos-aquae): 3.9 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
		EC50 (Pseudokirchneriella subcapitata (green algae)): > 1 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
		NOEC (Pseudokirchneriella subcapitata (green algae)): 0.13 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
		EC50 (Microcystis aeruginosa (blue-green algae)): 0.135 mg/l Exposure time: 7 Days Method: ISO 8692



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		/ to daphnia and other invertebrates (Chron- ity)	:	NOEC (Daphnia r Exposure time: 21 Method: OECD To	
	Toxicity	/ to microorganisms	:	EC50: > 1,000 mg Exposure time: 3 Test Type: Respir Method: OECD Te	h ration inhibition
				NOEC: 1,000 mg/ Exposure time: 3 Test Type: Respir Method: OECD To	h ation inhibition
	I Trimot	honrim.			
	-	hoprim: / to fish	:	LC50 (Pimephale Exposure time: 96	s promelas (fathead minnow)): 100 mg/l S h
		/ to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna Straus (Water flea)): 92 mg/l 3 h
	Toxicity plants	/ to algae/aquatic	:	EC50 (Pseudokiro mg/l Exposure time: 72	chneriella subcapitata (microalgae)): 80.3 2 h
				NOEC (Pseudokin mg/l Exposure time: 72	rchneriella subcapitata (green algae)): 16 2 h
				EC50 (Anabaena Exposure time: 72	flos-aquae): 253 mg/l 2 h
				EC10 (Anabaena Exposure time: 72	flos-aquae): 26 mg/l 2 h
	Toxicity icity)	/ to fish (Chronic tox-	:	NOEC (Zebrafish) Exposure time: 21	
		/ to daphnia and other invertebrates (Chron-	:	NOEC (Daphnia r Exposure time: 21	nagna (Water flea)): 6 mg/l I d
		/ to microorganisms	:	EC10: 16.7 mg/l Exposure time: 3 Test Type: Respir Method: OECD Te	ation inhibition
				EC50: > 1,000 mg Exposure time: 3 Test Type: Respir Method: OECD To	hrs ration inhibition
_					



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2,2'	-Iminodiethanol:			
	icity to fish	:	LC50 (Oncorhync Exposure time: 96	hus mykiss (rainbow trout)): 460 mg/l 3 h
	icity to daphnia and other atic invertebrates	:	EC50 (Ceriodaph Exposure time: 48	nia dubia (water flea)): 30.1 mg/l 3 h
Tox plar	icity to algae/aquatic nts	:	ErC50 (Pseudokir mg/l Exposure time: 72	chneriella subcapitata (green algae)): 9.5 2 h
			EC10 (Pseudokiro mg/l Exposure time: 72	chneriella subcapitata (green algae)): 1.1 2 h
aqu	icity to daphnia and other atic invertebrates (Chron- pxicity)	:	EC10 (Daphnia m Exposure time: 21	agna (Water flea)): 1.05 mg/l ⊨d
	icity to microorganisms	:	EC10 (activated s Exposure time: 30 Method: OECD Te	
Per	sistence and degradabili	ty		
<u>Cor</u>	nponents:			
sulf	adiazine:			
Bio	degradability	:	Result: Not readily Biodegradation: (Exposure time: 28 Method: OECD Te) % 3 d
" Trir	nethoprim:			
	degradability	:	Result: Not readily Biodegradation: 4 Exposure time: 28 Method: OECD Te	4 %
			Biodegradation: (Exposure time: 28	
2,2'	-Iminodiethanol:			
Bio	degradability	:	Result: Readily bi Biodegradation: S Exposure time: 28 Method: OECD To	93 %



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Sulfadiazine (20%) / Trimethoprim (4%) Liquid Formulation

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Bioad	ccumulative potential			
Com	oonents:			
Partiti	diazine: ion coefficient: n- ol/water	:	log Pow: 0.12	
Partiti	ethoprim: ion coefficient: n- ol/water	:	log Pow: 0.91	
Partiti	minodiethanol: ion coefficient: n- ol/water	:		est Guideline 107
	l ity in soil ata available			
	r adverse effects ata available			
No da	ata available			

SECTION 13. DISPOSAL CONSIDERATIONS

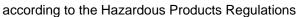
Disposal methods	
Waste from residues	: Do not dispose of waste into sewer. Dispose of in accordance with local regulations.
Contaminated packaging	 Empty containers should be taken to an approved waste handling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG UN number Proper shipping name Class Packing group Labels Environmentally hazardous	:	UN 1824 SODIUM HYDROXIDE SOLUTION 8 II 8 yes
IATA-DGR UN/ID No. Proper shipping name Class Packing group Labels Packing instruction (cargo aircraft) Packing instruction (passen-	:	UN 1824 Sodium hydroxide solution 8 II Corrosive 855 851

SAFETY DATA SHEET





Sulfadiazine (20%) / Trimethoprim (4%) Liquid Formulation

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ger ai	rcraft)			
UN nu Prope Class Packin Labels EmS	ng group s		UN 1824 SODIUM HYDRO (sulfadiazine, Trir 8 II 8 F-A, S-B yes	OXIDE SOLUTION nethoprim)
	port in bulk accordir	-		OL 73/78 and the IBC Code
Dome	estic regulation			
Class Packi Label ERG	er shipping name ng group s		UN 1824 SODIUM HYDRC 8 II 8 154 yes(sulfadiazine,	OXIDE SOLUTION Trimethoprim)
Speci	ial precautions for us	er		

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

The ingredients of this product are reported in the following inventories:

AICS	:	not determined
DSL	:	not determined
IECSC	:	not determined

SECTION 16. OTHER INFORMATION

Full text of other abbreviatio	ns
ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
CA AB OEL	: Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
CA BC OEL	: Canada. British Columbia OEL
CA QC OEL	: Québec. Regulation respecting occupational health and safe- ty, Schedule 1, Part 1: Permissible exposure values for air- borne contaminants



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ACGI CA A CA A CA B CA B CA Q	H / TWA H / C B OEL / TWA B OEL / (c) C OEL / TWA C OEL / C C OEL / TWAEV C OEL / C	:	ceiling occupat 8-hour time we ceiling limit	tional exposure limit ional exposure limit

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

Sources of key data used to compile the Material Safety Data Sheet	:	Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, http://echa.europa.eu/
Revision Date Date format	:	09/30/2023 mm/dd/yyyy

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

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



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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.

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