

Version	Revision Date:	SDS Number:	Date of last issue: 09/30/2023
11.1	12/08/2023	508597-00026	Date of first issue: 02/10/2016

### **SECTION 1. IDENTIFICATION**

Product name Other means of identification	:	Sulfadiazine (40%) / Trimethoprim (8%) Liquid Formulation Tribrissen 48% (A005320)			
Manufacturer or supplier's d	leta	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			
Telephone Emergency telephone E-mail address Recommended use of the ch	: : : nen	Rahway, New Jersey U.S.A. 07065 908-740-4000 1-908-423-6000 EHSDATASTEWARD@merck.com nical and restrictions on use			

### **SECTION 2. HAZARDS IDENTIFICATION**

Restrictions on use

### GHS classification in accordance with the Hazardous Products Regulations

: Not applicable

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	:	<ul> <li>H314 Causes severe skin burns and eye damage.</li> <li>H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.</li> <li>H335 May cause respiratory irritation.</li> <li>H361 Suspected of damaging fertility or the unborn child.</li> <li>H372 Causes damage to organs (Bone marrow) through prolonged or repeated exposure.</li> </ul>



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Precautionary Statements		P202 Do not ha and understood P260 Do not by P264 Wash ski P270 Do not ea P271 Use only P280 Wear pro and face proted	<ul> <li>Prevention:</li> <li>P201 Obtain special instructions before use.</li> <li>P202 Do not handle until all safety precautions have been read and understood.</li> <li>P260 Do not breathe mist or vapors.</li> <li>P264 Wash skin thoroughly after handling.</li> <li>P270 Do not eat, drink or smoke when using this product.</li> <li>P271 Use only outdoors or in a well-ventilated area.</li> <li>P280 Wear protective gloves, protective clothing, eye protection and face protection.</li> <li>P284 Wear respiratory protection.</li> </ul>				
		Do NOT induce P303 + P361 + immediately all Immediately ca P304 + P340 + and keep comf CENTER. P305 + P351 + water for sever and easy to do CENTER. P308 + P313 If P342 + P311 If tor.	<ul> <li>P331 + P310 IF SWALLOWED: Rinse mouth.</li> <li>vomiting. Immediately call a POISON CENTER</li> <li>P353 + P310 IF ON SKIN (or hair): Take off contaminated clothing. Rinse skin with water.</li> <li>II a POISON CENTER.</li> <li>P310 IF INHALED: Remove person to fresh air ortable for breathing. Immediately call a POISON</li> <li>P338 + P310 IF IN EYES: Rinse cautiously with al minutes. Remove contact lenses, if present</li> <li>Continue rinsing. Immediately call a POISON</li> <li>F exposed or concerned: Get medical attention. experiencing respiratory symptoms: Call a doc-intaminated clothing before reuse.</li> </ul>				
		<b>Storage:</b> P405 Store loc	ked up.				
		<b>Disposal:</b> P501 Dispose disposal plant.	of contents and container to an approved waste				
Other	hazards						

Components

Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
sulfadiazine	Benzenesulfon- amide, 4-amino- N-2-pyrimidinyl-	68-35-9	40
Trimethoprim	2,4-	738-70-5	8



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		Pyrimidinedia- mine, 5-[(3,4,5- trimethoxy- phenyl)methyl]-		
Sodiur	m hydroxide	Caustic soda	1310-73-2	5.5
2,2'-Im	ninodiethanol	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	Suitable extinguishing media		Water spray Alcohol-resistant f Carbon dioxide (C Dry chemical		
Unsuital media	ole extinguishing	:	None known.		
Specific fighting	hazards during fire	:	Exposure to comb	oustion products may be a hazard to health.	
Hazardo ucts	ous combustion prod-	:	Carbon oxides Metal oxides		
Specific ods	extinguishing meth-	:	cumstances and t Use water spray t Remove undamag so.	measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do	
Special for fire-fi	protective equipment	:	Evacuate area. In the event of fire Use personal prot	e, wear self-contained breathing apparatus.	
<b>SECTION 6.</b>	SECTION 6. ACCIDENTAL RELE		EMEASURES		
tive equi	I precautions, protec- ipment and emer- rocedures	:		ective equipment. ing advice (see section 7) and personal ent recommendations (see section 8).	
Environr	mental precautions	:	Prevent spreading oil barriers). Retain and dispos	akage or spillage if safe to do so. g over a wide area (e.g., by containment or se of contaminated wash water. should be advised if significant spillages	
	s and materials for nent and cleaning up	:	For large spills, pr containment to ke can be pumped, s container. Clean up remainir absorbent. Local or national r disposal of this ma employed in the c determine which r Sections 13 and 1	absorbent material. ovide diking or other appropriate ep material from spreading. If diked material tore recovered material in appropriate ng materials from spill with suitable egulations may apply to releases and aterial, as well as those materials and items leanup of releases. You will need to egulations are applicable. 5 of this SDS provide information regarding tional requirements.	

## SECTION 7. HANDLING AND STORAGE

Technical measures

: See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.



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	Local/Total ventilation		If sufficient ventilation is unavailable, use with local exhaust ventilation. Do not get on skin or clothing.		
Auv	Advice on safe handling		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. Take care to prevent spills, waste and minimize release to the environment.		
Cor	Store locked Keep tightly Keep in a co		in properly labeled containers. locked up. tightly closed. in a cool, well-ventilated place. in accordance with the particular national regulations.		
Materials to avoid		: Do not Strong Self-rea	store with the following product types: oxidizing agents ictive substances and mixtures peroxides		

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
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 <sup>3</sup>	CA AB OEL
		С	2 mg/m <sup>3</sup>	CA BC OEL
		С	2 mg/m <sup>3</sup>	CA QC OEL
		С	2 mg/m <sup>3</sup>	ACGIH
2,2'-Iminodiethanol	111-42-2	TWA	2 mg/m <sup>3</sup>	CA AB OEL
		TWA	2 mg/m <sup>3</sup>	CA BC OEL
		TWAEV (in- halable frac- tion and va- pour)	1 mg/m <sup>3</sup>	CA QC OEL
		TWA	1 mg/m <sup>3</sup>	ACGIH

## Ingredients with workplace control parameters



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			(Inhalable fraction and vapor)		
E	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.		
F	Personal protective equip	ment			
F	Respiratory protection :		If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection. Particulates type		
ł	Hand protection Material		I-resistant gloves		
E	Eye protection	If the wor mists or a Wear a fa	ety glasses with side shields or goggles. k environment or activity involves dusty conditions, aerosols, wear the appropriate goggles. aceshield or other full face protection if there is a for direct contact to the face with dusts, mists, or		
	Skin and body protection Hygiene measures	: Work uni : If exposu eye flush working p When us Wash co The effec engineer appropria industrial	form or laboratory coat. re to chemical is likely during typical use, provide ing systems and safety showers close to the		

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	suspension
Color	:	light yellow
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	
	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	•
	Vapor p	pressure	:	No data available	)
	Relative	e vapor density	:	No data available	)
	Relative	e density	:	No data available	
	Density	,	:	No data available	
	Solubili Wat	ty(ies) er solubility	:	No data available	
	Partition octanol	n coefficient: n-	:	Not applicable	
		nition temperature	:	No data available	)
	Decom	position temperature	:	No data available	)
	Viscosi Visc	ty sosity, kinematic	:	No data available	
	Explosi	ve properties	:	Not explosive	
	Oxidizir	ng properties	:	The substance of	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		
Conditions to avoid	:	None known.

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ŀ	ncompatible materials Hazardous decomposition products	:	Oxidizing agents Acids No hazardous de	composition products are known.
SECT	ION 11. TOXICOLOGICAL I	NFC	ORMATION	
	nformation on likely routes	of		
 5 	Information on likely routes Inhalation Skin contact Ingestion Eye contact		exposure	
	Acute toxicity			
	Not classified based on availa	ble	information.	
_	Product: Acute oral toxicity	:	Acute toxicity estine Method: Calculation	mate: > 2,000 mg/kg on method
<u>(</u>	Components:			
5	sulfadiazine:			
ŀ	Acute oral toxicity	:	LD50 (Mouse): 1,	500 mg/kg
ŀ	Acute dermal toxicity	:	LD50 (Rat): > 5,00 Remarks: Based o	00 mg/kg on data from similar materials
	Acute toxicity (other routes of administration)	:	LD50 (Rat): 880 n Application Route	
			LD50 (Mouse): 18 Application Route	
1	Frimethoprim:			
	Acute oral toxicity	:	LD50 (Rat): 1,500	- 5,300 mg/kg
			LD50 (Mouse): 1,9	910 - 7,000 mg/kg
	Acute toxicity (other routes of administration)	:	LD50 (Rat): 400 - Application Route	
			LD50 (Dog): 90 m Application Route	
			LD50 (Mouse): 13 Application Route	
	Sodium hydroxide: Acute inhalation toxicity	:	Assessment: Corr	osive to the respiratory tract.



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2,2	,2'-lmi	nodiethanol:			
Ac	cute o	ral toxicity	:	LD50 (Rat): 1,600	mg/kg
Ac	cute ir	halation toxicity	:	LC50 (Rat, male): Exposure time: 4 Test atmosphere:	h
_		errosion/irritation severe burns.			
<u>Co</u>	ompo	nents:			
รเ	ulfadia	azine:			
	esult emark	S	:	Skin irritation Based on data fro	m similar materials
So	odium	n hydroxide:			
Re	esult		:	Corrosive after 3	minutes or less of exposure
2.3	.2'-Imi	nodiethanol:			
Sp	pecies esult		:	Rabbit Skin irritation	
		s eye damage/eye irri serious eye damage.	tati	on	
<u>C</u>	ompo	nents:			
รเ	ulfadia	azine:			
	pecies	5	:	Rabbit	
	esult emark	S	:		reversing within 7 days m similar materials
Sc	odium	n hydroxide:			
	esult emark	S	:	Irreversible effects Based on skin cor	
2,	,2'-lmi	nodiethanol:			
Sp	pecies esult		:	Rabbit Irreversible effects	s on the eye
R	esnira	atory or skin sensitiz	atio	n	
	-				

## Skin sensitization

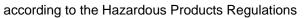
Not classified based on available information.



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May c	ratory sensitization ause allergy or asthma onents:	a symptoms (	or breathing difficulties if inhaled.
	liazine: ype es	: Guine : Not a	nization Test a pig skin sensitizer. I on data from similar materials
Test T	s of exposure es	: Derma : Guinea	
Test T	s of exposure		n repeat insult patch test (HRIPT) contact ive
Test T	s of exposure es d	: Skin c : Guine	) Test Guideline 406
Not cla	<b>cell mutagenicity</b> assified based on avai onents:	lable informa	ation.
	liazine: oxicity in vitro	Result Rema Test T Test s	Type: Bacterial reverse mutation assay (AMES) t: negative rks: Based on data from similar materials Type: Chromosomal aberration system: Chinese hamster ovary cells t: negative
	<b>thoprim:</b> oxicity in vitro	: Test T Result	rks: Based on data from similar materials Type: Bacterial reverse mutation assay (AMES) t: negative Type: Chromosomal aberration

# SAFETY DATA SHEET





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			Result: negative	
			Test Type: In vitro Result: negative	o mammalian cell gene mutation test
			Test Type: DNA c thesis in mammal Result: negative	lamage and repair, unscheduled DNA syn- ian cells (in vitro)
Ger	notoxicity in vivo	:	Test Type: Micror Species: Rat Result: negative	nucleus test
			Test Type: Chrom Species: Humans Result: negative	nosomal aberration
2.2	-Iminodiethanol:			
	notoxicity in vitro	:	Test Type: Bacter Result: negative	ial reverse mutation assay (AMES)
			Test Type: In vitro Result: negative	o mammalian cell gene mutation test
			Test Type: Chrom Result: negative	nosome aberration test in vitro
			Test Type: In vitro malian cells Result: negative	o sister chromatid exchange assay in mam-
Ger	notoxicity in vivo	:	Test Type: Mamm cytogenetic assay Species: Mouse	nalian erythrocyte micronucleus test (in vivo /)
			Application Route Result: negative	: Skin contact
Car	cinogenicity			
	classified based on availa	able	information.	
<u>Co</u>	nponents:			
2,2'	-Iminodiethanol:			
	ecies	:	Mouse	
	blication Route	:	Skin contact 103 weeks	
Res	sult	:	positive	
Rer	narks	:	The mechanism c mans.	or mode of action may not be relevant in hu-
Spe	ecies	:	Rat	

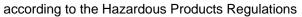


Vers 11.1		Revision Date: 12/08/2023		9S Number: 8597-00026	Date of last issue: 09/30/2023 Date of first issue: 02/10/2016
	Application Route : Exposure time : Result :		:	Skin contact 103 weeks negative	
	Carcino ment	ogenicity - Assess-	:	Weight of evidenc cinogen	ce does not support classification as a car-
	-	luctive toxicity ted of damaging fertilit	y or	the unborn child.	
	sulfadi				
		on fetal development	:	Result: Embryoto	
	Trimet	hoprim:			
		on fertility	:	Test Type: Fertilit 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	



Version 11.1	Revision Date: 12/08/2023	-	0S Number: 8597-00026	Date of last issue: 09/30/2023 Date of first issue: 02/10/2016
			Result: Embryoto	xic effects., No teratogenic effects.
Repro sessn	oductive toxicity - As- nent	:	Suspected of dan	naging the unborn child.
2,2'-Ir	ninodiethanol:			
Effect	s on fertility	:	Test Type: One-g Species: Rat Application Route Method: OECD T Result: positive	
Effect	s on fetal development	:	Test Type: One-g Species: Rat Application Route Method: OECD T Result: positive	
Repro sessn	oductive toxicity - As- nent	:		f adverse effects on sexual function and development, based on animal experiments.
	-single exposure cause respiratory irritatio	'n		
-	oonents:			
	diazine:			
	ssment	:	May cause respire	atory irritation.
Cause		one	marrow) through p	prolonged or repeated exposure.
	<u>oonents:</u>			
Targe	e <b>thoprim:</b> It Organs Issment	:	Bone marrow Causes damage t exposure.	o organs through prolonged or repeated
2.2'-lr	ninodiethanol:			
Route Targe	es of exposure It Organs Sement	:	Shown to produce	ver, Nervous system e significant health effects in animals at con- ) to 100 mg/kg bw.

# SAFETY DATA SHEET





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Targe	es of exposure et Organs ssment		
Targe	es of exposure et Organs ssment		Kidney duce significant health effects in animals at con- >20 to 200 mg/kg bw.
Repe	ated dose toxicity		
Com	ponents:		
Trime	ethoprim:		
Expo	ΞL	: Rat : 100 mg/kg : 300 mg/kg : Oral : 6 Months : Bone marrow,	Liver, Pituitary gland, Thyroid
Expo		: Rat : 300 mg/kg : Oral : 3 Months : Bone marrow	
Expo	ΞL	: Dog : 2.5 mg/kg : 45 mg/kg : Oral : 3 Months : Blood, Thyroid	t
2.2' <b>-</b> I	minodiethanol:		
Speci LOAE Applie	ies	: Rat, female : 14 mg/kg : Ingestion : 13 Weeks	
	EL cation Route sure time	: Rat : 0.015 mg/l : inhalation (dus : 90 Days : OECD Test G	
		: Rat : 32 mg/kg : Skin contact : 13 Weeks	



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## Aspiration toxicity

Not classified based on available information.

## Experience with human exposure

## **Components:**

sulfadiazine: General Information	: 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:

Sundulazine.		
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- ty)	:	NOEC (Daphnia magna (Water flea)): 6.2 mg/l Exposure time: 21 d Method: OECD Test Guideline 211	
	Toxicity	to microorganisms	:	EC50: > 1,000 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209	
				NOEC: 1,000 mg/ Exposure time: 3 h Test Type: Respira Method: OECD Te	ו ation inhibition
	Trimeth	oorim:			
	Toxicity	•	:	LC50 (Pimephales Exposure time: 96	promelas (fathead minnow)): 100 mg/l h
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna Straus (Water flea)): 92 mg/l h
	Toxicity plants	to algae/aquatic	:	EC50 (Pseudokirc mg/l Exposure time: 72	hneriella subcapitata (microalgae)): 80.3 h
				NOEC (Pseudokin mg/l Exposure time: 72	chneriella subcapitata (green algae)): 16 h
				EC50 (Anabaena Exposure time: 72	flos-aquae): 253 mg/l h
				EC10 (Anabaena Exposure time: 72	flos-aquae): 26 mg/l h
	Toxicity icity)	to fish (Chronic tox-	:	NOEC (Zebrafish) Exposure time: 21	
		to daphnia and other invertebrates (Chron-	:	NOEC (Daphnia m Exposure time: 21	nagna (Water flea)): 6 mg/l d
		to microorganisms	:	EC10: 16.7 mg/l Exposure time: 3 h Test Type: Respira Method: OECD Te	ation inhibition
				EC50: > 1,000 mg Exposure time: 3 h Test Type: Respire Method: OECD Te	nrs ation inhibition



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2	2.2'-Imi	nodiethanol:				
	Toxicity to fish Toxicity to daphnia and other aquatic invertebrates Toxicity to algae/aquatic plants		:	LC50 (Oncorhynchus mykiss (rainbow trout)): 460 mg/l Exposure time: 96 h		
			:	EC50 (Ceriodaphi Exposure time: 48	nia dubia (water flea)): 30.1 mg/l h	
			:	ErC50 (Pseudokirchneriella subcapitata (green algae)): 9.5 mg/l Exposure time: 72 h		
				EC10 (Pseudokiro mg/l Exposure time: 72	hneriella subcapitata (green algae)): 1.1 h	
a		to daphnia and other invertebrates (Chron-	:	EC10 (Daphnia m Exposure time: 21	agna (Water flea)): 1.05 mg/l d	
		to microorganisms	:	EC10 (activated s Exposure time: 30 Method: OECD Te		
F	Persistence and degradability <u>Components:</u>		ty			
<u>c</u>						
-	<b>sulfadia</b> Biodegr	azine: adability	:	Result: Not readily Biodegradation: 0 Exposure time: 28 Method: OECD Te	9 % 5 d	
Г	Frimeth	oprim:				
E	Biodegradability		:	Result: Not readily Biodegradation: 4 Exposure time: 28 Method: OECD Te	%	
				Biodegradation: ( Exposure time: 28		
		<b>nodiethanol:</b> adability	:	Result: Readily bio Biodegradation: S Exposure time: 28 Method: OECD Te	3 %	



according to the Hazardous Products Regulations

# Sulfadiazine (40%) / Trimethoprim (8%) Liquid Formulation

Version 11.1	Revision Date: 12/08/2023	SDS Number 508597-0002	
Bioad	ccumulative potentia	l	
Components:			
Partit	<b>diazine:</b> ion coefficient: n- ol/water	: log Pow:	0.12
Partit	ethoprim: ion coefficient: n- ol/water	: log Pow:	0.91
2,2'-lı	minodiethanol:		
	ion coefficient: n- ol/water	: log Pow: Method: (	-2.46 OECD Test Guideline 107
	<b>lity in soil</b> ata available		
•	<b>r adverse effects</b> ata available		
SECTION	13. DISPOSAL CONS		

### 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	<ul> <li>Empty containers should be taken to an approved was handling site for recycling or disposal.</li> <li>If not otherwise specified: Dispose of as unused produ</li> </ul>	

## SECTION 14. TRANSPORT INFORMATION

## International Regulations

:	UN 3267
:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Sodium hydroxide)
:	8
:	1
:	8
:	no
:	UN 3267
:	Corrosive liquid, basic, organic, n.o.s. (Sodium hydroxide)
:	8
:	1
:	Corrosive
:	854



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Pa	rcraft) acking instruction (passen- er aircraft)	: 850		
U Pi Pi La Ei	IDG-Code N number roper shipping name lass acking group abels mS Code arine pollutant	<ul> <li>UN 3267</li> <li>CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Sodium hydroxide, sulfadiazine)</li> <li>8</li> <li>I</li> <li>8</li> <li>F-A, S-B</li> <li>yes</li> </ul>		
	<b>cansport in bulk according</b> ot applicable for product as		POL 73/78 and the IBC Code	
D	omestic regulation			
U Pi C Pi La El	DG N number roper shipping name lass acking group abels RG Code arine pollutant	<ul> <li>: UN 3267</li> <li>: CORROSIVE LIC (Sodium hydroxi)</li> <li>: 8</li> <li>: 1</li> <li>: 8</li> <li>: 153</li> <li>: yes(sulfadiazine)</li> </ul>		
S	pecial precautions for use	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 abbreviations					
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)			
CA AB OEL	:	Canada. Alberta, Occupational Health and Safety Code (table			
CA BC OEL	:	2: OEL) Canada. British Columbia OEL			



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CA QC OEL		:	: Québec. Regulation respecting occupational health and safe- ty, Schedule 1, Part 1: Permissible exposure values for air- borne contaminants			
ACGIH / TWA			: 8-hour, time-weighted average			
ACGIH / C		:	Ceiling limit			
CA AB	CA AB OEL / TWA		8-hour Occupational exposure limit			
CA AB	CA AB OEL / (c)		ceiling occupational exposure limit			
CA BC OEL / TWA			8-hour time weighted average			
CA BC OEL / C		:	ceiling limit			
CA QC OEL / TWAEV CA QC OEL / C		:	•	verage exposure 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

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 Agen- cy, http://echa.europa.eu/
Revision Date Date format	:	12/08/2023 mm/dd/yyyy



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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.

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