according to the OSHA Hazard Communication Standard



# Sulfadoxine / Trimethoprim Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 04/04/2023
6.3	09/30/2023	1681370-00021	Date of first issue: 05/17/2017

#### **SECTION 1. IDENTIFICATION**

Product name	:	Sulfadoxine / Trimethoprim Formulation			
Manufacturer or supplier's details					
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 OSHA Hazard Communication Standard (29 CFR 1910.1200)			
Serious eye damage	:	Category 1	
Reproductive toxicity	:	Category 2	
Specific target organ toxicity - repeated exposure	:	Category 1 (Bone marrow)	
GHS label elements Hazard pictograms	:		
Signal Word	:	Danger	
Hazard Statements	:	H318 Causes serious eye damage. H361d Suspected of damaging the unborn child. H372 Causes damage to organs (Bone marrow) through pro- longed or repeated exposure.	
Precautionary Statements	:	<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>P280 Wear protective gloves, protective clothing, eye protection and face protection.</li> <li>Response:</li> </ul>	

according to the OSHA Hazard Communication Standard



## Sulfadoxine / Trimethoprim Formulation

ersion .3	Revision Date: 09/30/2023	SDS Number: 1681370-00021	Date of last issue: 04/04/2023 Date of first issue: 05/17/2017
		water for sever and easy to do CENTER.	P338 + P310 IF IN EYES: Rinse cautiously with al minutes. Remove contact lenses, if present . Continue rinsing. Immediately call a POISON
		<b>Storage:</b> P405 Store locked up.	
		Disposal:	veu up.
		•	of contents and container to an approved waste
Othe	r hazards		
Nono	known		

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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

### Components

•••mp•monte		
Chemical name	CAS-No.	Concentration (% w/w)
1,3-Dioxan-5-ol	4740-78-7	>= 30 - < 50
1,3-Dioxolan-4-ylmethanol	5464-28-8	>= 30 - < 50
Sulfadoxine	2447-57-6	>= 10 - < 20
Trimethoprim	738-70-5	>= 1 - < 5
Sodium hydroxide	1310-73-2	>= 2 - < 5
Actual concentration is withhold	oo o trado coorot	

Actual concentration is withheld as a trade secret

#### 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. Get medical attention.
In case of skin contact	:	In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In 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. Get medical attention. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and	:	Causes serious eye damage. Suspected of damaging the unborn child.



Version 6.3	Revision Date: 09/30/2023		9S Number: 81370-00021	Date of last issue: 04/04/2023 Date of first issue: 05/17/2017
de	delayed			o organs through prolonged or repeated
Pro	Protection of first-aiders		and use the recor	ers should pay attention to self-protection, nmended personal protective equipment
No	tes to physician	:		I for exposure exists (see section 8). cally and supportively.
SECTIO	ON 5. FIRE-FIGHTING ME	ASL	IRES	
Su	itable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical	
	suitable extinguishing dia	:	None known.	
	ecific hazards during fire hting	:	Exposure to comb	pustion products may be a hazard to health.
	zardous combustion prod-	:	Carbon oxides Metal oxides	
Sp od:	ecific extinguishing meth- s	:	<ul> <li>Use extinguishing measures that are appropriate to local cir cumstances and the surrounding environment.</li> <li>Use water spray to cool unopened containers.</li> <li>Remove undamaged containers from fire area if it is safe to so.</li> </ul>	
	ecial protective equipment fire-fighters	:	<ul> <li>Evacuate area.</li> <li>In the event of fire, wear self-contained breathing apparatu</li> <li>Use personal protective equipment.</li> </ul>	
SECTIO	ON 6. ACCIDENTAL RELE	AS	EMEASURES	
tive	rsonal precautions, protec- e equipment and emer- ncy procedures	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).	
En	vironmental 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.	
Me	thods and materials for	:	Soak up with iner	t absorbent material.

containment and cleaning up Fo	bak up with inert absorbent material.
co	or large spills, provide diking or other appropriate
ca	ontainment to keep material from spreading. If diked material
ca	an be pumped, store recovered material in appropriate
ca	ontainer.
C	lean up remaining materials from spill with suitable
C	osorbent.
at	ocal or national regulations may apply to releases and
Lo	sposal of this material, as well as those materials and items
di	mployed in the cleanup of releases. You will need to
er	etermine which regulations are applicable.

according to the OSHA Hazard Communication Standard



## Sulfadoxine / Trimethoprim Formulation

Version 6.3	Revision Date: 09/30/2023	SDS Number: 1681370-00021	Date of last issue: 04/04/2023 Date of first issue: 05/17/2017		
			Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.		
SECTION	7. HANDLING AND ST	ORAGE			
Local	nical measures /Total ventilation e on safe handling	CONTROLS/PE : Use only with ac : Do not breathe Do not swallow. Do not get in ey Avoid prolonged Wash skin thoro Handle in accor practice, based assessment Keep container Do not eat, drin	es. d or repeated contact with skin. bughly after handling. dance with good industrial hygiene and safety on the results of the workplace exposure		
Cond	itions for safe storage				
Materials to avoid Store in accordance with the particular national registres Store in accordance with the following product types: Store or out store with the following product type: Store or out store with the following product types: Store or out store with the following product type: Store or out store with the following product type: Store or out store with the following product type: Store or out store or out store with the following product type: Store or out store or out store or out store with the following product type: Store or out store		h the following product types: agents bstances and mixtures			

#### 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
Sulfadoxine	2447-57-6	TWA	30 µg/m3 (OEB 3)	Internal
		Wipe limit	300 µg/100 cm <sup>2</sup>	Internal
Trimethoprim	738-70-5	TWA	400 µg/m3 (OEB 2)	Internal
Sodium hydroxide	1310-73-2	С	2 mg/m <sup>3</sup>	ACGIH
		С	2 mg/m <sup>3</sup>	NIOSH REL
		TWA	2 mg/m <sup>3</sup>	OSHA Z-1

# Engineering measures : Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., dripless quick connections). All engineering controls should be implemented by facility design and operated in accordance with GMP principles to

according to the OSHA Hazard Communication Standard



# Sulfadoxine / Trimethoprim Formulation

Version 6.3	Revision Date: 09/30/2023	SDS Number: 1681370-00021	Date of last issue: 04/04/2023 Date of first issue: 05/17/2017		
		Containmen are required			
Perso	onal protective equip	nent			
	iratory protection	: General and maintain vap concentratio unknown, ap Follow OSH/ use NIOSH/ by air purifyi hazardous c supplied res release, exp circumstance	General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide		
Hand	protection	adequate pro	Stection.		
Ма	Material :		sistant gloves		
	emarks protection	If the work e mists or aero Wear a face	uble gloving. glasses with side shields or goggles. nvironment or activity involves dusty conditions, osols, wear the appropriate goggles. shield or other full face protection if there is a direct contact to the face with dusts, mists, or		
Skin a	Skin and body protection :		n or laboratory coat. ody garments should be used based upon the erformed (e.g., sleevelets, apron, gauntlets, uits) to avoid exposed skin surfaces. iate degowning techniques to remove potentially d clothing.		
Hygie	ne measures	: If exposure t eye flushing working plac When using Wash contar The effective engineering appropriate industrial hys	o chemical is likely during typical use, provide systems and safety showers close to the		

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : light brown, yellow

according to the OSHA Hazard Communication Standard



Odor:No data availableOdor Threshold:No data availablepH:9.3 - 10.0	
рН : 9.3 - 10.0	
Melting point/freezing point : Not applicable	
Initial boiling point and boiling : No data available range	
Flash point : No data available	
Evaporation rate : No data available	
Flammability (solid, gas) : Not applicable	
Flammability (liquids) : No data available	
Upper explosion limit / Upper : No data available flammability limit	
Lower explosion limit / Lower : No data available flammability limit	
Vapor pressure : No data available	
Relative vapor density : No data available	
Relative density : No data available	
Density : 1.210 - 1.250 g/cm <sup>3</sup>	
Solubility(ies) Water solubility : No data available	
Partition coefficient: n- : No data available octanol/water	
Autoignition temperature : No data available	
Decomposition temperature : No data available	
Viscosity Viscosity, kinematic : No data available	
Explosive properties : Not explosive	
Oxidizing properties : The substance or mixture is not classified as oxidizing	g.
Molecular weight : Not applicable	
Particle size : Not applicable	

according to the OSHA Hazard Communication Standard



# Sulfadoxine / Trimethoprim Formulation

Version	Revision Date:	SDS Number:	Date of last issue: 04/04/2023
6.3	09/30/2023	1681370-00021	Date of first issue: 05/17/2017

#### SECTION 10. STABILITY AND REACTIVITY

Reactivity Chemical stability Possibility of hazardous reac- tions	:	Not classified as a reactivity hazard. Stable under normal conditions. Can react with strong oxidizing agents.
Conditions to avoid	:	None known.
Incompatible materials	:	Oxidizing agents Acids
Hazardous decomposition products	:	No hazardous decomposition products are known.

#### SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes	s of	exposure
Skin contact Ingestion Eye contact		
Acute toxicity		
Not classified based on avail	able	information.
Product: Acute oral toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Components:		
1,3-Dioxan-5-ol:		
Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg
Acute dermal toxicity	:	LD50 (Rat): > 2,000 mg/kg Remarks: Based on data from similar materials
1,3-Dioxolan-4-ylmethanol:	1	
Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg
Acute dermal toxicity	:	LD50 (Rat): > 2,000 mg/kg Remarks: Based on data from similar materials
Sulfadoxine:		
Acute oral toxicity	:	LD50 (Mouse): 5,200 mg/kg
Trimethoprim:		
Acute oral toxicity	:	LD50 (Rat): 1,500 - 5,300 mg/kg
		LD50 (Mouse): 1,910 - 7,000 mg/kg



ersion .3	Revision Date: 09/30/2023		9S Number: 81370-00021	Date of last issue: 04/04/2023 Date of first issue: 05/17/2017
	ite toxicity (other routes of ninistration)	:	LD50 (Rat): 400 - Application Route	
			LD50 (Dog): 90 m Application Route	
			LD50 (Mouse): 13 Application Route	
Soc	lium hydroxide:			
Acu	ite inhalation toxicity	:	Assessment: Corr	osive to the respiratory tract.
	n corrosion/irritation classified based on availa	ble	information.	
Pro	duct:			
Res	sult	:	No skin irritation	
Cor	nponents:			
1,3-	Dioxan-5-ol:			
	ecies	:	Rabbit	
	thod	:	OECD Test Guide	eline 404
Res Rer	narks	:	No skin irritation Based on data fro	m similar materials
1,3-	Dioxolan-4-ylmethanol:			
	ecies	:	Rabbit	
	thod	:	OECD Test Guide	eline 404
Res	suit marks	÷	No skin irritation	m similar materials
IVEI	nans	•		
	fadoxine:			
	ecies	÷	Rabbit	
Res	thod sult		OECD Test Guide irritating	
-			U U	
	dium hydroxide:		• • • • •	
Res	sult	:	Corrosive after 3 r	minutes or less of exposure
	ious eye damage/eye irri	tati	on	
	uses serious eye damage.			
<u>Cor</u>	<u>mponents:</u>			
1,3-	Dioxan-5-ol:			
	ecies	:	Rabbit	
Res	sult thod	:	Irritation to eyes, r OECD Test Guide	eversing within 21 days
wet		•		an ie 400



Version 6.3	Revision Date: 09/30/2023	SDS Number:Date of last issue: 04/04/21681370-00021Date of first issue: 05/17/2	
Rema	arks	: Based on data from similar materials	
1,3-D	ioxolan-4-ylmethano	ıl:	
Spec	ies	: Rabbit	
Resu		: Irritation to eyes, reversing within 21 days	
Meth	od	: OECD Test Guideline 405	
Rema	arks	: Based on data from similar materials	
Sulfa	doxine:		
Resu	lt	: irritating	
Sodi	um hydroxide:		
Resu		: Irreversible effects on the eye	
Rema		: Based on skin corrosivity.	
Resp	iratory or skin sensi	tization	
Skin	sensitization		
Not c	lassified based on ava	ilable information.	
Resp	iratory sensitization		
-	lassified based on av	ilable information.	
<u>Com</u>	ponents:		
	ioxan-5-ol:		
Test		: Maximization Test	
	es of exposure	: Skin contact	
Spec		: Guinea pig	
Meth		: OECD Test Guideline 406	
Resu		: negative	
Rema	arks	: Based on data from similar materials	
	ioxolan-4-ylmethano		
Test		: Maximization Test	
	es of exposure	: Skin contact	
Spec		: Guinea pig	
Meth		: OECD Test Guideline 406	
Resu Rema		: negative : Based on data from similar materials	
Trim	ethoprim:		
Test	-	: Maximization Test	
	es of exposure	: Dermal	
Spec		: Guinea pig	
Resu		: Not a skin sensitizer.	
Sodi	um hydroxide:		
Toot	•	· Human report insult patch test (HPIDT)	

: Human repeat insult patch test (HRIPT)

according to the OSHA Hazard Communication Standard



ersion .3	Revision Date: 09/30/2023		OS Number: 81370-00021	Date of last issue: 04/04/2023 Date of first issue: 05/17/2017
Route Resul	es of exposure It	:	Skin contact negative	
	a <b>cell mutagenicity</b> lassified based on av	ailable	information.	
Com	oonents:			
	ioxan-5-ol: toxicity in vitro	:	Test Type: Bac Result: negative	erial reverse mutation assay (AMES)
			Test Type: In vi Result: negative	tro mammalian cell gene mutation test
Geno	toxicity in vivo	:	cytogenetic ass Species: Mouse Result: negative	)
1,3-D	ioxolan-4-ylmethan	ol:		
	toxicity in vitro	:	Test Type: Bac Result: negative	erial reverse mutation assay (AMES)
			Test Type: In vi Result: negative	tro mammalian cell gene mutation test
Geno	toxicity in vivo	:	Test Type: Man cytogenetic ass Species: Mouse Result: negative	)
Trime	ethoprim:			
	toxicity in vitro	:	Test Type: Bac Result: negative	erial reverse mutation assay (AMES)
			Test Type: Chro Result: negative	omosomal aberration
			Test Type: In vi Result: negative	tro mammalian cell gene mutation test
				damage and repair, unscheduled DNA syn- alian cells (in vitro) e
Geno	toxicity in vivo	:	Test Type: Micr Species: Rat Result: negative	
			-	omosomal aberration



according to the OSHA Hazard Communication Standard

Version 6.3	Revisior 09/30/20			S Number: 81370-00021	Date of last issue: 04/04/2023 Date of first issue: 05/17/2017		
				Species: Humans Result: negative			
Car	cinogenicity	y					
		ased on availa					
IAR		No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.					
OSł		No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.					
NTF		No ingredient of this product present at levels greater than or equal to 0.1% i identified as a known or anticipated carcinogen by NTP.					
-	productive to	<b>oxicity</b> Imaging the ur	nbo	n child			
	nponents:						
	nethoprim:						
	cts on fertility	v	:	Test Type: Fertility	J.		
2.10			•	Species: Rat			
				Application Route			
				Result: No effects	70 mg/kg body weight on fertility.		
Fffa	cts on fotal c	development		Test Type: Develo	nment		
LIIC		levelopment	•	Species: Rat	phient		
				Application Route			
				Result: Effects on	pewhorn		
					al toxicity observed.		
				Test Type: Develo	nment		
				Species: Rat	priorit		
				Application Route			
				Result: Embryoto	oxicity: LOAEL: 70 mg/kg body weight kic effects.		
					al toxicity observed.		
				Test Type: Develo	opment		
				Species: Rat			
				Application Route	: Oral oxicity: LOAEL: 15 mg/kg body weight		
					kic effects., Teratogenic effects.		
				Test Type: Develo	opment		
				Species: Hamster			
				Application Route	: Oral oxicity: LOAEL: 1.7 mg/kg body weight		
					kic effects., No teratogenic effects.		
				Test Type: Develo	ppment		

according to the OSHA Hazard Communication Standard



# Sulfadoxine / Trimethoprim Formulation

ersion 3	Revision Date: 09/30/2023	SDS Number:Date of last issue: 04/04/21681370-00021Date of first issue: 05/17/2	
		Species: Rabbit Application Route: Oral Developmental Toxicity: LOAEL: 100 mg/kg b Result: Embryotoxic effects., No teratogenic e	
Repro sessm	oductive toxicity - As- nent	: Suspected of damaging the unborn child.	
	<b>-single exposure</b> assified based on avai	ble information.	
Comp	oonents:		
Sulfa	doxine:		
	sment	: May cause respiratory irritation.	
sтот	-repeated exposure		
	<b>0 0</b> (	one marrow) through prolonged or repeated expos	ure.
Comp	oonents:		
Targe	e <b>thoprim:</b> t Organs esment	<ul> <li>Bone marrow</li> <li>Causes damage to organs through prolonged exposure.</li> </ul>	or repeated
-	ated dose toxicity ponents:		
Trime	thoprim:		
Specie NOAE LOAE Applic Expos	es EL	<ul> <li>Rat</li> <li>100 mg/kg</li> <li>300 mg/kg</li> <li>Oral</li> <li>6 Months</li> <li>Bone marrow, Liver, Pituitary gland, Thyroid</li> </ul>	
Expos		: Rat : 300 mg/kg : Oral : 3 Months : Bone marrow	
Expos	EL	: Dog : 2.5 mg/kg : 45 mg/kg : Oral : 3 Months : Blood, Thyroid	

## Aspiration toxicity

Not classified based on available information.

according to the OSHA Hazard Communication Standard



/ersion 6.3	Revision Date: 09/30/2023		9S Number: 81370-00021	Date of last issue: 04/04/2023 Date of first issue: 05/17/2017
Ехр	erience with human exp	osu	ire	
Con	nponents:			
Sulf	adoxine:			
Inge	estion	:	lood nost common side effects are:, Nausea, che, anemia, Rash, Stevens-Johnson syn-	
Trin	nethoprim:			
Inge	estion	:		one marrow minal pain, Nausea, Vomiting, skin rash, iche, mental depression, confusion
SECTIO	N 12. ECOLOGICAL INFO	ORN	ATION	
Eco	toxicity			
Con	nponents:			
1,3-	Dioxan-5-ol:			
Toxi	icity to fish	:	Exposure time: 9	s promelas (fathead minnow)): > 100 mg/l 6 h on data from similar materials
	icity to daphnia and other atic invertebrates	:	Exposure time: 4	agna (Water flea)): > 100 mg/l 8 h on data from similar materials
Toxi plan	icity to algae/aquatic ts	:	mg/l Exposure time: 72	chneriella subcapitata (green algae)): > 100 2 h on data from similar materials
			mg/l Exposure time: 72	kirchneriella subcapitata (green algae)): > 1 2 h on data from similar materials
Toxi	icity to microorganisms	:		
1,3-	Dioxolan-4-ylmethanol:			
	icity to fish	:	Exposure time: 9	s promelas (fathead minnow)): > 100 mg/l 6 h on data from similar materials
	icity to daphnia and other atic invertebrates	:	Exposure time: 4	agna (Water flea)): > 100 mg/l 8 h on data from similar materials



Vers 6.3	sion	Revision Date: 09/30/2023		9S Number: 81370-00021	Date of last issue: 04/04/2023 Date of first issue: 05/17/2017		
	Toxicity to algae/aquatic plants		:	mg/l Exposure time: 72	hneriella subcapitata (green algae)): > 100 2 h on data from similar materials		
				mg/l Exposure time: 72	irchneriella subcapitata (green algae)): > 1 ? h on data from similar materials		
	Toxicity to microorganisms		:	EC10: > 1,000 mg/l Exposure time: 3 h Method: OECD Test Guideline 209 Remarks: Based on data from similar materials			
	Sulfade	oxine <sup>.</sup>					
	Toxicity		:	Exposure time: 96	s promelas (fathead minnow)): > 100 mg/l 5 h on data from similar materials		
		to daphnia and other invertebrates	:	Exposure time: 48	agna (Water flea)): > 100 mg/l 3 h on data from similar materials		
	Toxicity plants	v to algae/aquatic	:	Exposure time: 72 Method: OECD Te			
				Exposure time: 72 Method: OECD Te			
				mg/l Exposure time: 72 Method: OECD Te			
				mg/l Exposure time: 72 Method: OECD Te			
				Exposure time: 7 Method: ISO 8692			
	Toxicity	to daphnia and other	:	NOEC (Daphnia r	nagna (Water flea)): 6.2 mg/l		



Vers 6.3	sion	Revision Date: 09/30/2023		S Number: 81370-00021	Date of last issue: 04/04/2023 Date of first issue: 05/17/2017
	aquatic ic toxici	invertebrates (Chron-		Exposure time: 21 Remarks: Based o	d on data from similar materials
	Toxicity to microorganisms		:	EC50: > 1,000 mg Exposure time: 3 Test Type: Respir Remarks: Based o	h
				NOEC: 1,000 mg/l Exposure time: 3 h Test Type: Respiration inhibition Remarks: Based on data from similar materials	
	Trimet	hoprim:			
		<i>i</i> to fish	:	LC50 (Pimephales Exposure time: 96	s promelas (fathead minnow)): 100 mg/l 5 h
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna Straus (Water flea)): 92 mg/l s h
	Toxicity plants	/ to algae/aquatic	:	EC50 (Pseudokiro mg/l Exposure time: 72	chneriella subcapitata (microalgae)): 80.3 ? h
				NOEC (Pseudokir 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)	<i>t</i> to fish (Chronic tox-	:	NOEC (Zebrafish) Exposure time: 21	
		/ to daphnia and other invertebrates (Chron-	:	NOEC (Daphnia n Exposure time: 21	nagna (Water flea)): 6 mg/l 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 Te	hrs ation inhibition

according to the OSHA Hazard Communication Standard



# Sulfadoxine / Trimethoprim Formulation

ersion .3	Revision Date: 09/30/2023		S Number: 81370-00021	Date of last issue: 04/04/2023 Date of first issue: 05/17/2017
Persi	stence and degrada	bility		
Com	oonents:			
1,3-D	ioxan-5-ol:			
Biode	gradability	:		tly biodegradable. d on data from similar materials
1,3-D	ioxolan-4-ylmethano	ol:		
Biode	gradability	:		tly biodegradable. d on data from similar materials
Sulfa	doxine:			
Biode	egradability	:	Biodegradation: Exposure time:	
Trime	ethoprim:			
	gradability	:	Biodegradation: Exposure time:	
			Biodegradation: Exposure time:	
Bioad	cumulative potentia	al		
<u>Com</u>	oonents:			
Partiti	<b>ioxan-5-ol:</b> ion coefficient: n- ol/water	:	log Pow: -0.65	
Partiti	<b>ethoprim:</b> ion coefficient: n- ol/water	:	log Pow: 0.91	
	<b>lity in soil</b> ata available			
	r <b>adverse effects</b> ata available			

## **Disposal methods**

Waste from residues

: Dispose of in accordance with local regulations.



## according to the OSHA Hazard Communication Standard

# Sulfadoxine / Trimethoprim Formulation

t dispose of waste into sewer. containers should be taken to an approved waste ing site for recycling or disposal. otherwise specified: Dispose of as unused product.
082 RONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, S.
adoxine, Trimethoprim)
)82 onmentally hazardous substance, liquid, n.o.s. adoxine, Trimethoprim)
llaneous
082 RONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, S.
doxine, Trimethoprim) S-F
II of MARPOL 73/78 and the IBC Code
)82 onmentally hazardous substance, liquid, n.o.s. um hydroxide)

Class

Labels ERG Code

Packing group



Version	Revision Date:	SDS Number:	Date of last issue: 04/04/2023
6.3	09/30/2023	1681370-00021	Date of first issue: 05/17/2017
Marin Rema	e pollutant ırks	SIZES WHERE	e, Trimethoprim) FORMATION ONLY APPLIES TO PACKAGE THE HAZARDOUS SUBSTANCE MEETS BLE QUANTITY.

#### 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

#### **CERCLA** Reportable Quantity

Components	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)
Sodium hydroxide	1310-73-2	1000	48076

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards	:	Reproductive toxicity Specific target organ toxicity (single or repeated exposure) Serious eye damage or eye irritation
SARA 313	:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### **US State Regulations**

Pennsylvania Right To Know					
1,3-Dioxan-5-ol		4740-78-7			
1,3-Dioxolan-4-ylı	methanol	5464-28-8			
Water		7732-18-5			
Sulfadoxine		2447-57-6			
Trimethoprim		738-70-5			
Sodium hydroxide	9	1310-73-2			
California List of Hazardous Substances Sodium hydroxide 1310-73-2					
Sodium hydroxide					
California Permissible Exposure Limits for Chemical Contaminants					
Sodium hydroxide	9	1310-73-2			
The ingredients of this product are reported in the following inventories:					
AICS	: not determined				
DSL	: not determined				
IECSC	: not determined				

according to the OSHA Hazard Communication Standard



## Sulfadoxine / Trimethoprim Formulation

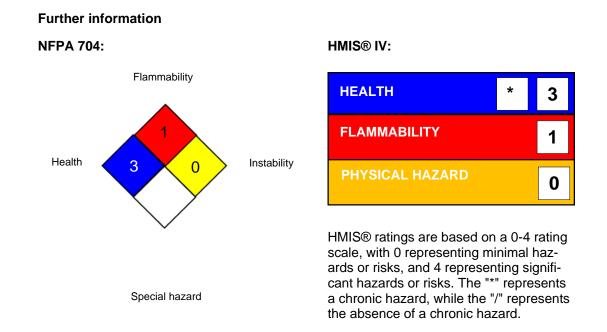
Version Revision Date: 6.3 09/30/2023

SDS Number: 1681370-00021

er: Date of 021 Date of

Date of last issue: 04/04/2023 Date of first issue: 05/17/2017

## **SECTION 16. OTHER INFORMATION**



## Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL	:	USA. NIOSH Recommended Exposure Limits
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
ACGIH / C	:	Ceiling limit
NIOSH REL / C		Ceiling value not be exceeded at any time.
OSHA Z-1 / TWA	:	8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals: ASTM - American Society for the Testing of Materials: bw - Body weight: CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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; HMIS - Hazardous Materials Identification System; 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 Pre-



Version	Revision Date:	SDS Number:	Date of last issue: 04/04/2023
6.3	09/30/2023	1681370-00021	Date of first issue: 05/17/2017

vention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; 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

Sources of key data used to	:	Internal technical data, data from raw material SDSs, OECD
compile the Material Safety Data Sheet		eChem Portal search results and European Chemicals Agen- cy, http://echa.europa.eu/

09/30/2023

Revision Date :

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.

US / Z8