

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
3.5	28.09.2024	7858245-00013	Date of first issue: 03.03.2021

### **SECTION 1:** Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier Trade name	: Sulfamethoxazole / Trimethoprim Injection Formulat	ion
1.2 Relevant identified uses o	the substance or mixture and uses advised against	
Use of the Sub- stance/Mixture	: Veterinary product	
Recommended restrictions on use	: Not applicable	
1.3 Details of the supplier of t	e safety data sheet	
Company	: MSD Kilsheelan Clonmel Tipperary, IE	
Telephone	: 353-51-601000	
E-mail address of person responsible for the SDS	: EHSDATASTEWARD@msd.com	

### 1.4 Emergency telephone number

+1-908-423-6000

### **SECTION 2: Hazards identification**

### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Skin corrosion, Sub-category 1B Serious eye damage, Category 1	H314: Causes severe skin burns and eye damage. H318: Causes serious eye damage.
Reproductive toxicity, Category 2	H361d: Suspected of damaging the unborn child.
Specific target organ toxicity - single exposure, Category 3	H335: May cause respiratory irritation.
Specific target organ toxicity - repeated exposure, Category 2	H373: May cause damage to organs through pro- longed or repeated exposure.
Short-term (acute) aquatic hazard, Cate- gory 1	H400: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard, Cat- egory 1	H410: Very toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

### SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



### Sulfamethoxazole / Trimethoprim Injection Formulation

Version 3.5	Revision Date: 28.09.2024	SDS Number: 7858245-00013	Date of last issue: 06.04.2024 Date of first issue: 03.03.2021
Hazar	rd pictograms		
Signa	l word	: Danger	
Hazar	rd statements	H335 May ca H361d Suspec H373 May ca repeated expos	s severe skin burns and eye damage. use respiratory irritation. eted of damaging the unborn child. use damage to organs through prolonged or sure. xic to aquatic life with long lasting effects.
Preca	utionary statements	P273 Avoid r	special instructions before use. elease to the environment. rotective gloves/ protective clothing/ eye protec- ction.
		immediately all shower. Immed P305 + P351 + with water for s sent and easy t POISON CENT	P353 + P310 IF ON SKIN (or hair): Take off contaminated clothing. Rinse skin with water or liately call a POISON CENTER/ doctor. P338 + P310 IF IN EYES: Rinse cautiously everal minutes. Remove contact lenses, if pre- o do. Continue rinsing. Immediately call a 'ER/ doctor. spillage.

Hazardous components which must be listed on the label: Ethanolamine Trimethoprim

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.



Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
3.5	28.09.2024	7858245-00013	Date of first issue: 03.03.2021

### **SECTION 3: Composition/information on ingredients**

### 3.2 Mixtures

### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
1,3-Dioxan-5-ol	4740-78-7 225-248-9	Eye Irrit. 2; H319	>= 70 - < 90
Sulfamethoxazole	723-46-6 211-963-3	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10	>= 10 - < 20
Ethanolamine	141-43-5 205-483-3 603-030-00-8	Acute Tox. 4; H302 Acute Tox. 4; H302 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Corr. 1B; H314 Eye Dam. 1; H318 STOT SE 3; H335 Aquatic Chronic 3; H412 $\longrightarrow$ specific concentra- tion limit STOT SE 3; H335 >= 5 % Acute toxicity esti- mate Acute oral toxicity: 1.089 mg/kg Acute inhalation toxicity (vapour): 11 mg/l Acute dermal toxici- ty: 1.018 mg/kg	>= 5 - < 10
Trimethoprim	738-70-5 212-006-2	Acute Tox. 4; H302 Repr. 2; H361d STOT RE 1; H372	>= 3 - < 10



Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024	
3.5	28.09.2024	7858245-00013	Date of first issue: 03.03.2021	
			(Bone marrow) Aquatic Chronic 2; H411	

For explanation of abbreviations see section 16.

### **SECTION 4: First aid measures**

4.1 Description of first aid measured	ures	
General advice	:	In the case of accident or if you feel unwell, seek medical ad- vice immediately. When symptoms persist or in all cases of doubt seek medical advice.
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).
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 centre immediately. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.
4.2 Most important symptoms ar	nd ef	ffects, both acute and delayed
Risks	:	Causes serious eye damage. May cause respiratory irritation. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated

Causes severe burns.

exposure.



Version 3.5	Revision Date: 28.09.2024	-	OS Number: 58245-00013	Date of last issue: 06.04.2024 Date of first issue: 03.03.2021
			Causes digestive	e tract burns.
4.3 Indica	tion of any immediate	med	lical attention an	d special treatment needed
Treat	ment	:	Treat symptomat	ically and supportively.
SECTION	1 5: Firefighting meas	sur	es	
5.1 Exting	juishing media			
Suital	ble extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide ( Dry chemical	
Unsu media	itable extinguishing a	:	None known.	
5.2 Specia	al hazards arising from	the	substance or m	ixture
•	ific hazards during fire-	:		bustion products may be a hazard to health.
Haza ucts	rdous combustion prod-	:	: Nitrogen oxides (NOx) Sulphur oxides Carbon oxides	
5.3 Advice	e for firefighters			
	ial protective equipment efighters	:		e, wear self-contained breathing apparatus. tective equipment.
Speci ods	ific extinguishing meth-	:	cumstances and Use water spray	g measures that are appropriate to local cir- the surrounding environment. to cool unopened containers. Iged containers from fire area if it is safe to d

· · · · · · · · · · · · · · · · · · ·		
Personal precautions	: Use personal protective equipment.	
	Follow safe handling advice (see sec	, , ,
	tective equipment recommendations	see section 8).

### 6.2 Environmental precautions

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	



# Sulfamethoxazole / Trimethoprim Injection Formulation

Version 3.5	Revision Date: 28.09.2024	SDS Number: 7858245-00013	Date of last issue: 06.04.2024 Date of first issue: 03.03.2021
		•	ose of contaminated wash water. should be advised if significant spillages ned.
6.3 Method	is and material for co	ontainment and clean	ing up
Methods for cleaning up :		For large spills, p ment to keep ma be pumped, stor Clean up remain bent. Local or national posal of this mat employed in the mine which regu Sections 13 and	rt absorbent material. brovide dyking or other appropriate contain- iterial from spreading. If dyked material can e recovered material in appropriate container. ing materials from spill with suitable absor- regulations may apply to releases and dis- erial, as well as those materials and items cleanup of releases. You will need to deter- lations are applicable. 15 of this SDS provide information regarding ational requirements.

### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

### **SECTION 7: Handling and storage**

### 7.1 Precautions for safe handling

	•	
Technical measures	:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	:	If sufficient ventilation is unavailable, use with local exhaust ventilation.
Advice on safe handling	:	Do not get on skin or clothing. Do not breathe mist or vapours. 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 as- sessment Keep container tightly closed. Already sensitised individuals, and those susceptible to asthma, allergies, chronic or recurrent respiratory disease, should consult their physician regarding working with respira- tory irritants or sensitisers. Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the environment.
Hygiene measures	:	If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Wash contami- nated clothing before re-use.

Commission Regulation (EU) 2020/878



## Sulfamethoxazole / Trimethoprim Injection Formulation

Version 3.5	Revision Date: 28.09.2024		S Number: 58245-00013	Date of last issue: 06.04.2024 Date of first issue: 03.03.2021		
	en ap inc		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.			
7.2 Condit	tions for safe storage,	incl	uding any incom	patibilities		
Requirements for storage areas and containers		:	tightly closed. Ke	labelled containers. Store locked up. Keep ep in a cool, well-ventilated place. Store in the particular national regulations.		
Advic	Advice on common storage		Do not store with the following product types: Strong oxidizing agents Self-reactive substances and mixtures Organic peroxides Explosives Gases			
7.3 Specif	ic end use(s)					
-	fic use(s)	:	No data available			

### **SECTION 8: Exposure controls/personal protection**

### 8.1 Control parameters

### **Occupational Exposure Limits**

• •							
Components	CAS-No.	Value type (Form	Control parameters	Basis			
		of exposure)					
Sulfamethoxazole	723-46-6	TWA	OEB 2 (>= 100 < 1000	Internal			
			µg/m3)				
Ethanolamine	141-43-5	TWA	1 ppm	FOR-2011-			
			2,5 mg/m3	12-06-1358			
	Further information: Chemicals that can be absorbed through the skin.						
		TWA	1 ppm	2006/15/EC			
			2,5 mg/m3				
	Further information: Indicative, Identifies the possibility of significant uptake						
	through the sl	through the skin					
		STEL	3 ppm	2006/15/EC			
	Further information: Indicative, Identifies the possibility of significant uptake						
	through the skin						
Trimethoprim	738-70-5	TWA	400 µg/m3 (OEB 2)	Internal			

### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006

Substance name	End Use	Exposure routes	Potential health ef- fects	Value
Ethanolamine	Workers	Inhalation	Long-term local ef- fects	3,3 mg/m3



# Sulfamethoxazole / Trimethoprim Injection Formulation

Vers 3.5	sion Revision Date: 28.09.2024	SDS Num 7858245-0			f last issue: 06.04.2024 f first issue: 03.03.2021			
		Workers	Skin conta	act	Long-term systemic effects	1 mg/kg bw/day		
		Consumers	Inhalation	l	Long-term local ef- fects	2 mg/m3		
	Consumers		Skin conta	act	Long-term systemic effects	0,24 mg/kg bw/day		
		Consumers	Ingestion		Long-term systemic effects	3,75 mg/kg bw/day		

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006

Substance name	Environmental Compartment	Value
Trimethoprim	Water	0,9 mg/l
Ethanolamine	Fresh water	0,085 mg/l
	Freshwater - intermittent	0,028 mg/l
	Marine water	0,0085 mg/l
	Sewage treatment plant	100 mg/l
	Fresh water sediment	0,434 mg/kg dry
		weight (d.w.)
	Marine sediment	0,0434 mg/kg dry
		weight (d.w.)
	Soil	0,0367 mg/kg dry
		weight (d.w.)

### 8.2 Exposure controls

### Engineering measures

Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., drip-less quick connections).

All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Laboratory operations do not require special containment.

#### Personal protective equipment

Eye/face protection	:	Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty condition mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.		
Hand protection				
Material	:	Chemical-resistant gloves		
Skin and body protection	:	Work uniform or laboratory coat.		
Respiratory protection	:	If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. Equipment should conform to NS EN 14387		
Filter type	:	Combined particulates and organic vapour type (A-P)		



Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
3.5	28.09.2024	7858245-00013	Date of first issue: 03.03.2021

### **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Colour : light yellow
Odour : No data available
Odour Threshold : No data available
Melting point/freezing point : No data available
Initial boiling point and boiling : No data available range
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
Flash point : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
pH : 9,5 - 10,5
Viscosity Viscosity, kinematic : No data available
Solubility(ies) Water solubility : No data available
Partition coefficient: n- : Not applicable octanol/water
Vapour pressure : No data available
Relative density : No data available
Density : 1,050 - 1,230 g/cm <sup>3</sup>



Version 3.5	Revision Date: 28.09.2024	SDS Number: 7858245-00013	Date of last issue: 06.04.2024 Date of first issue: 03.03.2021		
Relative vapour density Particle characteristics Particle size		<ul><li>No data available</li><li>Not applicable</li></ul>			
9.2 Other information Explosives		: Not explosive			
Ox	idizing properties	: The substance	e or mixture is not classified as oxidizing.		
Ev	aporation rate	: No data availa	able		
Мс	lecular weight	: No data availa	able		

### **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

Not classified as a reactivity hazard.

#### **10.2 Chemical stability**

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions Hazardous reactions

: Can react with strong oxidizing agents.

### 10.4 Conditions to avoid

Conditions to avoid

: None known.

### 10.5 Incompatible materials

Materials to avoid	:	Oxidizing agents Acids
--------------------	---	---------------------------

### **10.6 Hazardous decomposition products**

No hazardous decomposition products are known.

### **SECTION 11: Toxicological information**

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of : Inhalation exposure

Skin contact Ingestion Eye contact

### Acute toxicity

Not classified based on available information.



Ver 3.5	sion	Revision Date: 28.09.2024		9S Number: 58245-00013	Date of last issue: 06.04.2024 Date of first issue: 03.03.2021			
	<u>Produ</u>	ict:						
			Acute toxicity esti Method: Calculati	mate: > 2.000 mg/kg on method				
			:	<ul> <li>Acute toxicity estimate: &gt; 20 mg/l</li> <li>Exposure time: 4 h</li> <li>Test atmosphere: vapour</li> <li>Method: Calculation method</li> </ul>				
	Acute	dermal toxicity	:	Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method				
	<u>Comp</u>	onents:						
	1,3-Di	oxan-5-ol:						
	Acute	oral toxicity	:	LD50 (Rat): > 5.0	00 mg/kg			
	Acute	dermal toxicity	:	LD50 (Rat): > 2.0 Remarks: Based	00 mg/kg on data from similar materials			
	Sulfar	nethoxazole:						
	Acute	oral toxicity	:	LD50 (Mouse): 2.	300 mg/kg			
	Fthan	olamine:						
		oral toxicity	:	LD50 (Rat): 1.089	mg/kg			
		inhalation toxicity	:	Acute toxicity esti Exposure time: 4 Test atmosphere: Method: Expert ju Remarks: Based	h vapour			
	Acute	dermal toxicity	:	LD50 (Rabbit, fen	nale): 1.018 mg/kg			
	<b>-</b> ·	()						
	Trimethoprim: Acute oral toxicity			LD50 (Rat): 1.500	- 5 300 ma/ka			
	/ louio	orar toxicity	•					
				LD50 (Mouse): 1.910 - 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				

### SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



# Sulfamethoxazole / Trimethoprim Injection Formulation

Version 3.5	Revision Date: 28.09.2024		DS Number: 58245-00013	Date of last issue: 06.04.2024 Date of first issue: 03.03.2021
	corrosion/irritation			
Com	ponents:			
1,3-0	Dioxan-5-ol:			
Spec Meth Resu Rem	iod ilt	:	Rabbit OECD Test Guid No skin irritation Based on data fro	eline 404 om similar materials
Sulfa	amethoxazole:			
Spec Resu		:	Rabbit No skin irritation	
Etha	nolamine:			
Spec Rest		:	Rabbit Corrosive after 3	minutes to 1 hour of exposure
	<b>ous eye damage/eye</b> ses serious eye damag		ion	
Com	ponents:			
1,3-0	Dioxan-5-ol:			
Spec		:	Rabbit OECD Test Guid	alian 405
Meth Resu		:		reversing within 21 days
Rem	arks	:	Based on data fro	om similar materials
Etha	nolamine:			
Spec Rest		:	Rabbit Irreversible effect	s on the eye
Res	piratory or skin sensi	tisatio	on	
	sensitisation	ailable	information.	
-	<b>biratory sensitisation</b> classified based on ava		information.	
Com	ponents:			

### 1,3-Dioxan-5-ol:

Test Type	: Maximisation Test
Exposure routes	: Skin contact
Species	: Guinea pig
Method	: OECD Test Guideline 406



Version 3.5	Revision Date: 28.09.2024	SDS Number: 7858245-00013	Date of last issue: 06.04.2024 Date of first issue: 03.03.2021				
Res Ren	ult narks	: negative : Based on da	ata from similar materials				
Sulf	amethoxazole:						
Exp	t Type osure routes cies	: Magnusson- : Skin contact : Guinea pig	Kligman-Test				
Res		: negative					
Eth	anolamine:						
	t Type	: Maximisatio					
	osure routes	: Skin contact					
Spe Res	cies ult	: Guinea pig : negative					
Trin	nethoprim:						
Tes	t Type	: Maximisatio	n Test				
	osure routes	: Dermal					
	cies	: Guinea pig					
Res	ult	: Not a skin se	Not a skin sensitizer.				
Not	m cell mutagenicity classified based on ava nponents:	ailable information.					
1.3-	Dioxan-5-ol:						
	otoxicity in vitro	: Test Type: E Result: nega	Bacterial reverse mutation assay (AMES) ative				
		Test Type: I Result: nega	n vitro mammalian cell gene mutation test ative				
Ger	otoxicity in vivo	cytogenetic Species: Mo Result: nega	use				
Sulf	amethoxazole:						
Ger	otoxicity in vitro	: Test Type: E Result: nega	Bacterial reverse mutation assay (AMES) ative				
		Test Type: 0 Result: nega	Chromosome aberration test in vitro ative				
Ger	otoxicity in vivo		Autagenicity (in vivo mammalian bone-marrow test, chromosomal analysis)				



ersion .5	Revision Date: 28.09.2024	SDS Number: 7858245-00013	Date of last issue: 06.04.2024 Date of first issue: 03.03.2021
		Species: Hum Result: negati	
Ethar	nolamine:		
Geno	toxicity in vitro	: Test Type: Ba Result: negati	cterial reverse mutation assay (AMES) ve
			vitro mammalian cell gene mutation test D Test Guideline 476 ve
		Test Type: Ch Result: negati	nromosome aberration test in vitro ve
Geno	toxicity in vivo	cytogenetic as Species: Mou Application Re	se oute: Ingestion D Test Guideline 474
Trime	ethoprim:		
Geno	toxicity in vitro	: Test Type: Ba Result: negati	cterial reverse mutation assay (AMES) ve
		Test Type: Ch Result: negati	nromosomal aberration ve
		Test Type: In Result: negati	vitro mammalian cell gene mutation test ve
			NA damage and repair, unscheduled DNA syn- malian cells (in vitro) ve
Geno	toxicity in vivo	: Test Type: Mi Species: Rat Result: negati	cronucleus test ve
		Test Type: Cł Species: Hum Result: negati	
	inogenicity lassified based on ava	ailable information.	
<u>Com</u>	ponents:		
	methoxazole:		
Speci	ies	: Mouse	



Vers 3.5	sion	Revision Date: 28.09.2024		0S Number: 58245-00013	Date of last issue: 06.04.2024 Date of first issue: 03.03.2021
	Application Route:Exposure time:Result:		Ingestion 26 weeks negative		
		<b>ductive toxicity</b> cted of damaging the u	inbo	rn child.	
	Comp	onents:			
	Ethano	olamine:			
	Effects	on fertility	:	Species: Rat Application Route Method: OECD To Result: negative	
	Effects ment	on foetal develop-	:	Test Type: Embry Species: Rat Application Route Method: OECD To Result: negative	0
	Trimet	hoprim:			
	Effects	on fertility	:	Test Type: Fertility Species: Rat Application Route Fertility: NOAEL: Result: No effects	: Oral 70 mg/kg body weight
	Effects ment	on foetal develop-	:	Result: Effects on	: Oral oxicity: LOAEL: 70 mg/kg body weight
				Result: Embryoto:	: Oral pxicity: LOAEL: 70 mg/kg body weight
				Test Type: Develo	opment



Version 3.5	Revision Date: 28.09.2024		DS Number: 58245-00013	Date of last issue: 06.04.2024 Date of first issue: 03.03.2021
Repro sessn	oductive toxicity - As- nent	:	Suspected of dar	naging the unborn child.
	<b>- single exposure</b> cause respiratory irritation	on.		
Com	oonents:			
	nolamine: ssment	:	May cause respir	atory irritation.
	- repeated exposure cause damage to organ	s thr	ough prolonged or	repeated exposure.
<u>Com</u>	oonents:			
	nolamine: ssment	:	No significant heat tions of 0.2 mg/l/6	alth effects observed in animals at concentra- Sh/d or less.
Trime	ethoprim:			
Targe	et Organs ssment	:	Bone marrow Causes damage exposure.	to organs through prolonged or repeated
Repe	ated dose toxicity			
<u>Com</u>	oonents:			
Ethar	nolamine:			
	EL cation Route sure time	:	Rat > 120 mg/kg Ingestion > 75 Days Based on data fro	om similar materials
		:	Rat >= 0,15 mg/l inhalation (dust/m 28 Days	nist/fume)



### Sulfamethoxazole / Trimethoprim Injection Formulation

Version 3.5	Revision Date: 28.09.2024		DS Number: 58245-00013	Date of last issue: 06.04.2024 Date of first issue: 03.03.2021
Metho	od	:	OECD Test Guid	eline 412
Speci		:	Rat	
		:	100 mg/kg 300 mg/kg Oral 6 Months	
Targe	et Organs	:		ver, Pituitary gland, Thyroid
Expo		:	Rat 300 mg/kg Oral 3 Months Bone marrow	
Expo	EL	:	Dog 2,5 mg/kg 45 mg/kg Oral 3 Months Blood, Thyroid	

### Aspiration toxicity

Not classified based on available information.

### 11.2 Information on other hazards

#### **Endocrine disrupting properties**

### Product:

Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### Experience with human exposure

### **Components:**

Trimethoprim:

Ingestion

: Target Organs: Bone marrow Symptoms: Abdominal pain, Nausea, Vomiting, skin rash, Dizziness, Headache, mental depression, confusion



Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
3.5	28.09.2024	7858245-00013	Date of first issue: 03.03.2021

### **SECTION 12: Ecological information**

### 12.1 Toxicity

Co	m	po	ne	n	S:

1,3-Dioxan-5-ol:		
Toxicity to fish	:	LL50 (Pimephales promelas (fathead minnow)): > 100 mg/l Exposure time: 96 h Remarks: Based on data from similar materials
Toxicity to daphnia and other aquatic invertebrates	:	EL50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Remarks: Based on data from similar materials
Toxicity to algae/aquatic plants	:	EL50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l Exposure time: 72 h Remarks: Based on data from similar materials
		NOELR (Pseudokirchneriella subcapitata (green algae)): > 1 mg/l Exposure time: 72 h Remarks: Based 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
Sulfamethoxazole:		
Toxicity to fish	:	LC50 (Oryzias latipes (Japanese medaka)): 562,5 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Ceriodaphnia dubia (water flea)): 0,21 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (Synechococcus leopoliensis (blue-green algae)): 0,0268 mg/l Exposure time: 96 h
		NOEC (Synechococcus leopoliensis (blue-green algae)): 0,0059 mg/l Exposure time: 96 h
M-Factor (Acute aquatic tox- icity)	:	10
Toxicity to microorganisms	:	NOEC (activated sludge): 3,76 mg/l Method: OECD Test Guideline 301D



Vers 3.5	sion	Revision Date: 28.09.2024		9S Number: 58245-00013	Date of last issue: 06.04.2024 Date of first issue: 03.03.2021		
	Toxicity icity)	v to fish (Chronic tox-	:	NOEC: 0,533 mg/ Exposure time: 21 Species: Danio re	d		
		v to daphnia and other invertebrates (Chron- ty)	:	Exposure time: 30	) d magna (Water flea)		
	M-Factor toxicity)	or (Chronic aquatic	:	10			
	Ethano	lamine:					
	Toxicity	r to fish	:	Exposure time: 96	arpio (Carp)): 349 mg/l 5 h 67/548/EEC, Annex V, C.1.		
		quatic invertebrates Exposure ti		Exposure time: 48	Daphnia magna (Water flea)): 65 mg/l ire time: 48 h I: Directive 67/548/EEC, Annex V, C.2.		
	Toxicity plants	v to algae/aquatic	: ErC50 (Pseudokirchneriella s mg/l Exposure time: 72 h Method: OECD Test Guidelin				
				NOEC (Pseudokir Exposure time: 72 Method: OECD Te			
	Toxicity	to microorganisms	:	EC10 (Pseudomo Exposure time: 30 Method: OECD Te			
	Toxicity icity)	to fish (Chronic tox-	Exposure time: 41 d Species: Oryzias latipes (Orange- Method: OECD Test Guideline 210 er : NOEC: 0,85 mg/l		atipes (Orange-red killifish)		
		v to daphnia and other invertebrates (Chron- ty)					
	Trimet	hoprim:					
	Toxicity	•	:	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): 92 mg/l s h		
	Toxicity	v to algae/aquatic	:	EC50 (Pseudokiro	hneriella subcapitata (microalgae)): 80,3		



Vers 3.5	sion	Revision Date: 28.09.2024	-	0S Number: 58245-00013	Date of last issue: 06.04.2024 Date of first issue: 03.03.2021
	plants			mg/l Exposure time: 72	2 h
				NOEC (Pseudokir mg/l Exposure time: 72	chneriella subcapitata (green algae)): 16 ? 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	to microorganisms	:	EC10 : 16,7 mg/l Exposure time: 3 Test Type: Respir Method: OECD Te	ation inhibition
				EC50 : > 1.000 m Exposure time: 3 Test Type: Respir Method: OECD Te	hrs ation inhibition
	Toxicity icity)	v to fish (Chronic tox-	:	NOEC: 0,157 mg/ Exposure time: 21 Species: Zebrafis	d
		v to daphnia and other invertebrates (Chron- ty)		NOEC: 6 mg/l Exposure time: 21 Species: Daphnia	d magna (Water flea)
12.2	2 Persis	tence and degradabil	ity		
	<u>Compo</u>	onents:			
		xan-5-ol: radability	:	Result: Inherently Remarks: Based o	biodegradable. on data from similar materials
		ethoxazole: radability	:	Result: Not readily Biodegradation: 0 Exposure time: 28 Method: OECD Te	)%
		<b>lamine:</b> radability	:	Result: Readily bi Biodegradation: ====================================	> 90 %

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

# Sulfamethoxazole / Trimethoprim Injection Formulation

Version 3.5	Revision Date: 28.09.2024		ate of last issue: 06.04.2024 ate of first issue: 03.03.2021
<b>-</b>	- 41		
	<b>ethoprim:</b> egradability	: Result: Not readily bi Biodegradation: 4 % Exposure time: 28 d Method: OECD Test	
		Result: Not inherently Biodegradation: 0 % Exposure time: 28 d Method: OECD Test	
12.3 Bioa	ccumulative potentia		
Com	ponents:		
Parti	Dioxan-5-ol: tion coefficient: n- nol/water	: log Pow: -0,65	
	amethoxazole: ccumulation	: Species: Cyprinus ca Bioconcentration fact	
	tion coefficient: n- nol/water	: log Pow: 0,89	
Etha	nolamine:		
	tion coefficient: n- nol/water	: log Pow: -2,3 Method: OECD Test	Guideline 107
Parti	ethoprim: tion coefficient: n- nol/water	: log Pow: 0,91	
	<b>ility in soil</b> ata available		
12.5 Res	ults of PBT and vPvB	issessment	
Prod	luct:		
Asse	ssment	to be either persisten	ure contains no components considered it, bioaccumulative and toxic (PBT), or ery bioaccumulative (vPvB) at levels of
12.6 End	ocrine disrupting pro	erties	
Prod	luct:		
۸ ه		The substance / with the	ra daga nat contain componente consid

: The substance/mixture does not contain components consid-



Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
3.5	28.09.2024	7858245-00013	Date of first issue: 03.03.2021
		REACH Article	ndocrine disrupting properties according to 57(f) or Commission Delegated regulation ) or Commission Regulation (EU) 2018/605 at or higher.

### 12.7 Other adverse effects

No data available

### **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Product	:	Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. Do not dispose of waste into sewer.
Contaminated packaging	:	Empty containers should be taken to an approved waste han- dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

### **SECTION 14: Transport information**

14.1 UN number or ID number			
ADN	:	UN 2491	
ADR	:	UN 2491	
RID	:	UN 2491	
IMDG	:	UN 2491	
ΙΑΤΑ	:	UN 2491	
14.2 UN proper shipping name			
ADN	:	ETHANOLAMINE, SC	DLUTION
ADR	:	ETHANOLAMINE, SC	DLUTION
RID	:	ETHANOLAMINE, SC	DLUTION
IMDG	:	ETHANOLAMINE SO (Sulfamethoxazole)	LUTION
ΙΑΤΑ	:	Ethanolamine solution	ı
14.3 Transport hazard class(es)			
		Class	Subsidiary risks
ADN	:	8	
ADR	:	8	

### SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



Versi 3.5	ion	Revision Date: 28.09.2024		0S Number: 58245-00013	Date of last issue: 06.04.2024 Date of first issue: 03.03.2021
1	RID		:	8	
	IMDG		:	8	
	ΙΑΤΑ		:	8	
14.4	Packin	ig group			
 ( 	Classifi	g group cation Code Identification Number	:	III C7 80 8	
	<b>ADR</b> Packing Classifi Hazard Labels Tunnel	g group cation Code Identification Number restriction code	:	III C7 80 8 (E)	
 ( 	Classifi	g group cation Code Identification Number	:	III C7 80 8	
	<b>IMDG</b> Packing Labels EmS C	g group ode	:	III 8 F-A, S-B	
 ;   	aircraft) Packing	g instruction (cargo	:	856 Y841 III Corrosive	
	<b>IATA (I</b> Packing ger airc Packing	Passenger) g instruction (passen- craft) g instruction (LQ) g group	:	852 Y841 III Corrosive	
14.5	Enviro	nmental hazards			
	<b>ADN</b> Enviror	nmentally hazardous	:	yes	
	<b>ADR</b> Enviror	mentally hazardous	:	yes	
	<b>RID</b> Enviror	mentally hazardous	:	yes	



Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
3.5	28.09.2024	7858245-00013	Date of first issue: 03.03.2021

### IMDG

Marine pollutant : yes

### 14.6 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.

### 14.7 Maritime transport in bulk according to IMO instruments

Remarks

: Not applicable for product as supplied.

### **SECTION 15: Regulatory information**

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

REACH - Restrictions on the manufacture the market and use of certain dangerous mixtures and articles (Annex XVII)		Conditions of restr lowing entries sho Number on list 3	
		Substance(s) or m here according to t in the regulation, ir use/purpose or the restriction. Please tions in correspond determine whether cable to the placin- not.	their appearance respective of their e conditions of the refer to the condi- ding Regulation to r an entry is appli-
REACH - Candidate List of Substances of Concern for Authorisation (Article 59).	of Very High :	Not applicable	
REACH - List of substances subject to au (Annex XIV)	uthorisation :	Not applicable	
Regulation (EC) on substances that deple layer	ete the ozone :	Not applicable	
Regulation (EU) 2019/1021 on persistent tants (recast)	organic pollu- :	Not applicable	
Regulation (EU) No 649/2012 of the Euro ment and the Council concerning the exp of dangerous chemicals		Not applicable	
Seveso III: Directive 2012/18/EU of the E major-accident hazards involving danger		t and of the Council	on the control of
	ONMENTAL	Quantity 1 100 t	Quantity 2 200 t

### Other regulations:

Note the Working Environment Act § 4-1 and § 4-2 on requirements for the employer to protect pregnant employees against discomfort and injury as a result of the work situation and the

HAZARDS



Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
3.5	28.09.2024	7858245-00013	Date of first issue: 03.03.2021

working environment.

Note the regulation on organization, leadership and participation, chapter 12 on the work of children and young people.

The components of this product are reported in the following inventories:					
DSL	: not determined				
AICS	: not determined				
IECSC	: not determined				

### 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

### **SECTION 16: Other information**

Other information	:	Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.
Full text of H-Statements H302 H312 H314 H318 H319 H332 H335 H361d H372		Harmful if swallowed. Harmful in contact with skin. Causes severe skin burns and eye damage. Causes serious eye damage. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. Suspected of damaging the unborn child. Causes damage to organs through prolonged or repeated
H400 H410 H411 H412 Full text of other abbreviatio		exposure. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects.
Acute Tox. Aquatic Acute Aquatic Chronic Eye Dam. Eye Irrit. Repr. Skin Corr. STOT RE STOT SE 2006/15/EC FOR-2011-12-06-1358 2006/15/EC / TWA 2006/15/EC / STEL FOR-2011-12-06-1358 /		Acute toxicity Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Serious eye damage Eye irritation Reproductive toxicity Skin corrosion Specific target organ toxicity - repeated exposure Specific target organ toxicity - single exposure Europe. Indicative occupational exposure limit values Norway. Occupational Exposure limits Limit Value - eight hours Short term exposure limit Long term exposure limit



Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
3.5	28.09.2024	7858245-00013	Date of first issue: 03.03.2021

### TWA

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA -European Chemicals Agency; EC-Number - European Community number; 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; 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; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; 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

#### Further information

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

Skin Corr. 1B	H314
Eye Dam. 1	H318
Repr. 2	H361d
STOT SE 3	H335
STOT RE 2	H373
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

### Classification procedure:

Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method



Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
3.5	28.09.2024	7858245-00013	Date of first issue: 03.03.2021

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.

NO / EN