

Version	Revision Date:	SDS Number:	Date of last issue: 06.04.2024
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#### **SECTION 1:** Identification of the substance/mixture and of the company/undertaking

#### **1.1 Product identifier**

Trade name	:	Sulfadiazine (40%) / Trimethoprim (8%) Liquid Formulation
Other means of identification	:	Tribrissen 48% (A005320)

#### 1.2 Relevant identified uses of 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 the	e saf	ety 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 1A Serious eye damage, Category 1 Respiratory sensitisation, Category 1	H314: Causes severe skin burns and eye damage. H318: Causes serious eye damage. H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Reproductive toxicity, Category 2 Specific target organ toxicity - single ex- posure, Category 3	H361d: Suspected of damaging the unborn child. H335: May cause respiratory irritation.
Specific target organ toxicity - repeated exposure, Category 2 Short-term (acute) aquatic hazard, Cate- gory 1	H373: May cause damage to organs through pro- longed or repeated exposure. H400: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard, Cat-	H410: Very toxic to aquatic life with long lasting

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



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egory 1			effects	
2.2 Label e	lements			
Labell	ing (REGULATION (E	EC) No 1272/20	008)	
Hazaro	d pictograms		J.	
Signal	word	: Danger		• •
Hazaro	d statements	H334 M difficulties H335 M H361d S H373 M repeated	lay cause s if inhaled lay cause uspected lay cause exposure	respiratory irritation. of damaging the unborn child. damage to organs through prolonged or
Supple Statem	emental Hazard nents	: EUH071	Co	rrosive to the respiratory tract.
Precau	utionary statements	P280 W tion/ face <b>Respons</b> P303 + P immediate shower. In P305 + P with wate sent and POISON P342 + P POISON	void relea /ear protection protection <b>e:</b> 361 + P33 ely all cor mmediate 351 + P33 r for seve easy to de CENTER 311 If e	53 + P310 IF ON SKIN (or hair): Take off taminated clothing. Rinse skin with water or ly call a POISON CENTER/ doctor. 38 + P310 IF IN EYES: Rinse cautiously ral minutes. Remove contact lenses, if pre- b. Continue rinsing. Immediately call a / doctor. xperiencing respiratory symptoms: Call a / doctor.

Hazardous components which must be listed on the label:

sulfadiazine Trimethoprim Sodium hydroxide

#### 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.



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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.

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

#### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
sulfadiazine	68-35-9 200-685-8	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Resp. Sens. 1; H334 STOT SE 3; H335 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1 Acute toxicity esti- mate Acute oral toxicity: 1.500 mg/kg	40
Trimethoprim	738-70-5 212-006-2	Acute Tox. 4; H302 Repr. 2; H361d STOT RE 1; H372 (Bone marrow) Aquatic Chronic 2; H411	8
Sodium hydroxide	1310-73-2 215-185-5 011-002-00-6	Met. Corr. 1; H290 Skin Corr. 1A; H314 Eye Dam. 1; H318 EUH014, EUH071	5,5

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			specific concentra- tion limit Skin Corr. 1A; H314 >= 5 % Skin Corr. 1B; H314 2 - < 5 % Skin Irrit. 2; H315 0,5 - < 2 % Eye Irrit. 2; H319 0,5 - < 2 % EUH071 >= 2 %	
2,2'-Ir	minodiethanol	111-42-2 203-868-0 603-071-00	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Repr. 2; H361 STOT RE 2; H373 (Kidney, Blood, Liver, Nervous sys- tem) Acute toxicity esti- mate Acute oral toxicity: 1.600 mg/kg	0,6

For explanation of abbreviations see section 16.

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

#### 4.1 Description of first aid measures

General advice	<ul> <li>In the case of accident or if you feel unwell, seek med vice immediately.</li> <li>When symptoms persist or in all cases of doubt seek advice.</li> </ul>	
Protection of first-aiders	First Aid responders should pay attention to self-prote and use the recommended personal protective equip when the potential for exposure exists (see section 8)	ment
If inhaled	<ul> <li>If inhaled, remove to fresh air.</li> <li>If not breathing, give artificial respiration.</li> <li>If breathing is difficult, give oxygen.</li> <li>Get medical attention immediately.</li> </ul>	



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In cas	se of skin contact	for at least 15 and shoes. Get medical at Wash clothing	act, immediately flush skin with plenty of water minutes while removing contaminated clothing tention immediately. before reuse. an shoes before reuse.			
In case of eye contact		<ul> <li>In case of contact, immediately flush eyes with plenty of for at least 15 minutes.</li> <li>If easy to do, remove contact lens, if worn.</li> <li>Get medical attention immediately.</li> </ul>				
If swallowed		If vomiting occ Call a physicia Rinse mouth th	<ul> <li>If swallowed, DO NOT induce vomiting.</li> <li>If vomiting occurs have person lean forward.</li> <li>Call a physician or poison control centre immediately.</li> <li>Rinse mouth thoroughly with water.</li> <li>Never give anything by mouth to an unconscious person.</li> </ul>			
4.2 Most i	mportant symptoms	s and effects, both ac	ute and delayed			
<b>4.2 Most i</b> Risks		: Causes seriou May cause alle ties if inhaled. May cause res Suspected of o May cause dan exposure. Causes severe	s eye damage. ergy or asthma symptoms or breathing difficul- piratory irritation. damaging the unborn child. mage to organs through prolonged or repeated			
		: Causes seriou May cause alle ties if inhaled. May cause res Suspected of o May cause dan exposure. Causes severe Corrosive to th Causes digest Excessive exp other respirato	s eye damage. ergy or asthma symptoms or breathing difficul- piratory irritation. damaging the unborn child. mage to organs through prolonged or repeated e burns. e respiratory tract. ive tract burns. osure may aggravate preexisting asthma and			
Risks		: Causes seriou May cause alle ties if inhaled. May cause res Suspected of o May cause dan exposure. Causes severe Corrosive to th Causes digest Excessive exp other respirato tive airways dy	s eye damage. ergy or asthma symptoms or breathing difficul- piratory irritation. damaging the unborn child. mage to organs through prolonged or repeated e burns. le respiratory tract. ive tract burns. osure may aggravate preexisting asthma and ry disorders (e.g. emphysema, bronchitis, reac			

<b>5.1 Extinguishing media</b> Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	None known.



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5.2 Special hazards arising from				e substance or mi	xture
Specific hazards during fire- fighting		:	Exposure to comb	oustion products may be a hazard to health.	
	Hazard ucts	lous combustion prod-	:	Carbon oxides Metal oxides	
5.3	Advice	for firefighters			
	Specia for firef	l protective equipment ighters	:		e, wear self-contained breathing apparatus. tective equipment.
	Specific ods	c extinguishing meth-	:	cumstances and t Use water spray t	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

#### **SECTION 6: Accidental release measures**

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- 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 barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.		
6.3 Methods and material for containment and cleaning up				

Methods for cleaning up	<ul> <li>Soak up with inert absorbent material. For large spills, provide dyking or other appropriate conta ment to keep material from spreading. If dyked material ca be pumped, store recovered material in appropriate conta Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and d posal of this material, as well as those materials and item employed in the cleanup of releases. You will need to det mine which regulations are applicable. Sections 13 and 15 of this SDS provide information regard certain local or national requirements.</li> </ul>	an iner. or- S- S er-
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#### 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. 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 Conditions for safe storage, i	incl	uding any incompatibilities
Requirements for storage areas and containers	:	Keep in properly labelled containers. Store locked up. Keep tightly closed. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations.
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 Specific end use(s)		
<b>—</b> ( )		

: No data available



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

#### 8.1 Control parameters

#### **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form	Control parameters	Basis
		of exposure)		
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	T	2 mg/m3	FOR-2011-
			_	12-06-1358
2,2'-Iminodiethanol	111-42-2	TWA	3 ppm	FOR-2011-
			15 mg/m3	12-06-1358

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

	· · ·		· · /	
Substance name	End Use	Exposure routes	Potential health ef- fects	Value
Sodium hydroxide	Consumers	Inhalation	Long-term local ef- fects	1 mg/m3
	Workers	Inhalation	Long-term local ef- fects	1 mg/m3
2,2'-Iminodiethanol	Workers	Inhalation	Long-term systemic effects	0,75 mg/m3
	Workers	Inhalation	Long-term local ef- fects	0,5 mg/m3
	Workers	Skin contact	Long-term systemic effects	0,13 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	0,125 mg/m3
	Consumers	Inhalation	Long-term local ef- fects	0,125 mg/m3
	Consumers	Skin contact	Long-term systemic effects	0,07 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic effects	0,06 mg/kg bw/day

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

Substance name	Environmental Compartment	Value
sulfadiazine	Water	0,01 mg/l
Trimethoprim	Water	0,9 mg/l
2,2'-Iminodiethanol	Fresh water	0,021 mg/l
	Freshwater - intermittent	0,095 mg/l
	Marine water	0,002 mg/l
	Sewage treatment plant	100 mg/l
	Fresh water sediment	0,096 mg/kg dry
		weight (d.w.)
	Marine sediment	0,009 mg/kg dry

weight (d.w.)

1,04 mg/kg food

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			weight (d.w.)
		Soil	1,63 mg/kg dry

#### 8.2 Exposure controls

#### **Engineering measures**

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

Oral (Secondary Poisoning)

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 conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or 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 143
Filter type	:	Particulates type (P)

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

#### 9.1 Information on basic physical and chemical properties

Physical state	:	suspension
Colour	:	light yellow
Odour	:	No data available
Odour Threshold	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flammability (solid, gas)	:	Not applicable
Flammability (liquids)	:	No data available
Upper explosion limit / Upper	:	No data available

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	flamma	bility limit			
		explosion limit / Lower bility limit	:	No data available	
	Flash p	oint	:	No data available	
	Auto-igi	nition temperature	:	No data available	)
	Decom	position temperature	:	No data available	
	рН		:	10,0 - 10,5	
	Viscosit Visc	ty osity, kinematic	:	No data available	
	Solubilit Wate	ty(ies) er solubility	:	No data available	3
	Partitior octanol/	n coefficient: n- /water	:	Not applicable	
	Vapour	pressure	:	No data available	)
	Relative	e density	:	No data available	)
	Density		:	No data available	
	Relative	e vapour density	:	No data available	
		characteristics icle size	:	Not applicable	
9.2 (	<b>Other in</b> Explosi <sup>v</sup>	formation ves	:	Not explosive	
	Oxidizir	ng properties	:	The substance o	r mixture is not classified as oxidizing.
	Evapora	ation rate	:	No data available	

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

#### 10.1 Reactivity

Not classified as a reactivity hazard.



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10.2 Chen	nical stability			
Stable	e under normal condition	s.		
10.3 Poss	ibility of hazardous rea	ctio	ons	
Haza	rdous reactions	:	Can react with st	rong oxidizing agents.
10.4 Conc	litions to avoid			
Cond	itions to avoid	:	None known.	
10.5 Incor	npatible materials			
Mater	rials to avoid	:	Oxidizing agents Acids	
	rdous decomposition paradous decomposition			
		pio		
Inforn expos	nation on likely routes of sure	:	Inhalation Skin contact Ingestion Eye contact	
	e toxicity lassified based on availa	ble	information.	
Prod	uct:			
Acute	e oral toxicity	:	Acute toxicity estine Method: Calculation	mate: > 2.000 mg/kg on method
Com	ponents:			
sulfa	diazine:			
Acute	oral toxicity	:	LD50 (Mouse): 1.8	500 mg/kg
Acute	e dermal toxicity	:	LD50 (Rat): > 5.00 Remarks: Based o	00 mg/kg on data from similar materials
	toxicity (other routes of nistration)	:	LD50 (Rat): 880 n Application Route	
			LD50 (Mouse): 18 Application Route	
Trime	ethoprim:			
Acute	e oral toxicity	:	LD50 (Rat): 1.500	- 5.300 mg/kg



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				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	
ç	Sodium	hydroxide:			
		nalation toxicity	:	Assessment: Corr	osive to the respiratory tract.
2	2,2'-Imin	odiethanol:			
		al toxicity	:	LD50 (Rat): 1.600	mg/kg
A	Acute inf	nalation toxicity	:	LC50 (Rat, male): Exposure time: 4 I Test atmosphere:	n
-		rosion/irritation severe burns.			
<u>c</u>	Compon	ents:			
	sulfadia	zine:			
-	Result Remarks	3	:	Skin irritation Based on data fro	m similar materials
S	Sodium	hydroxide:			
F	Result	-	:	Corrosive after 3 r	ninutes or less of exposure
2	2, <b>2'-I</b> min	odiethanol:			
	Species		:	Rabbit	
F	Result		:	Skin irritation	
S	Serious	eye damage/eye irri	tati	on	
		serious eye damage.			
<u>c</u>	Compon	ents:			
S	sulfadia	zine:			
	Species		:	Rabbit	
	Result Remarks	3	:		eversing within 7 days m similar materials

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Sodiu	ım hydroxide:		
Resu	-	: Irreversible effect	s on the eve
Rema	-	: Based on skin co	
2,2'-lr	ninodiethanol:		
Speci		: Rabbit	
Resul	t	: Irreversible effect	s on the eye
Resp	iratory or skin sensi	tisation	
Skin	sensitisation		
Not cl	assified based on ava	ilable information.	
Resp	iratory sensitisation		
-	-	a symptoms or breathing	g difficulties if inhaled.
<u>Com</u>	oonents:		
sulfa	diazine:		
Test		: Maximisation Tes	st
Speci		: Guinea pig	
Resu		: Not a skin sensiti	
Rema	arks	: Based on data fro	om similar materials
Trime	ethoprim:		
Test	Гуре	: Maximisation Tes	st
	sure routes	: Dermal	
Speci	es	: Guinea pig	
Resu	t	: Not a skin sensiti	zer.
Sodiu	ım hydroxide:		
Test T	Гуре	: Human repeat ins	sult patch test (HRIPT)
	sure routes	: Skin contact	- · · · ·
Resul	t	: negative	
2,2'-lr	ninodiethanol:		
Test 7	Гуре	: Maximisation Tes	st
	sure routes	: Skin contact	
Speci		: Guinea pig	
Metho		: OECD Test Guide	eline 406
Resul	t	: negative	
Germ	cell mutagenicity		
	assified based on ava	ilable information	
rom	nononte:		

#### Components:

#### sulfadiazine:



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Geno	toxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Result: negative Remarks: Based on data from similar materials	
		Test Type: Chromosomal aberration Test system: Chinese hamster ovary cells Result: negative Remarks: Based on data from similar materials	
Trime	ethoprim:		
	toxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Result: negative	
		Test Type: Chromosomal aberration Result: negative	
		Test Type: In vitro mammalian cell gene mutation test Result: negative	
		Test Type: DNA damage and repair, unscheduled DNA syn- thesis in mammalian cells (in vitro) Result: negative	
Geno	toxicity in vivo	: Test Type: Micronucleus test Species: Rat Result: negative	
		Test Type: Chromosomal aberration Species: Humans Result: negative	
2.2'-l	minodiethanol:		
-	toxicity in vitro	: Test Type: Bacterial reverse mutation assay (AMES) Result: negative	
		Test Type: In vitro mammalian cell gene mutation test Result: negative	
		Test Type: Chromosome aberration test in vitro Result: negative	
		Test Type: In vitro sister chromatid exchange assay in mam- malian cells Result: negative	
Geno	toxicity in vivo	: Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Mouse Application Route: Skin contact Result: negative	



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#### Carcinogenicity

Not classified based on available information.

#### **Components:**

<b>2,2'-Iminodiethanol:</b> Species Application Route Exposure time Result Remarks	<ul> <li>Mouse</li> <li>Skin contact</li> <li>103 weeks</li> <li>positive</li> <li>The mechanism or mode of action may not be relevant in humans.</li> </ul>
Species Application Route Exposure time Result	Rat Skin contact 103 weeks negative
Carcinogenicity - Assess- ment	<ul> <li>Weight of evidence does not support classification as a car- cinogen</li> </ul>
Reproductive toxicity Suspected of damaging the unb	oorn child.
Components:	
sulfadiazine: Effects on foetal develop- ment	: Test Type: Development Species: Mouse Application Route: Oral General Toxicity Maternal: NOAEL: 1.000 mg/kg body weight Result: Embryotoxic effects and adverse effects on the off- spring were detected only at high maternally toxic doses
Trimethoprim:	
Effects on fertility	<ul> <li>Test Type: Fertility</li> <li>Species: Rat</li> <li>Application Route: Oral</li> <li>Fertility: NOAEL: 70 mg/kg body weight</li> <li>Result: No effects on fertility</li> </ul>
Effects on foetal develop- ment	<ul> <li>Test Type: Development Species: Rat Application Route: Oral Developmental Toxicity: LOAEL: 70 mg/kg body weight Result: Effects on newborn Remarks: Maternal toxicity observed.</li> </ul>
	Test Type: Development

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			Result: Embryoto	oxicity: LOAEL: 70 mg/kg body weight
				r
Repro sessn	oductive toxicity - As- nent	:	Suspected of dan	naging the unborn child.
2,2'-lr	ninodiethanol:			
Effect	s on fertility	:	Test Type: One-g Species: Rat Application Route Method: OECD T Result: positive	
Effect ment	s on foetal develop-	:	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.
May c	- single exposure cause respiratory irritation sive to the respiratory to			
Com	oonents:			
sulfa	diazine:			
Asses	ssment	:	May cause respire	atory irritation.

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STOT	- repeated exposur	e	
May o	cause damage to orga	ans through prolonge	d or repeated exposure.
Comp	oonents:		
Trime	ethoprim:		
	et Organs ssment	<ul> <li>Bone marrow</li> <li>Causes dama exposure.</li> </ul>	<i>i</i> age to organs through prolonged or repeated
2,2'-lr	minodiethanol:		
Targe	sure routes et Organs ssment	: Shown to pro	d, Liver, Nervous system duce significant health effects in animals at con f >10 to 100 mg/kg bw.
Targe	sure routes et Organs ssment	: Kidney, Blood : Shown to pro	ust/mist/fume) d oduce significant health effects in animals at con f >0.02 to 0.2 mg/l/6h/d.
Targe	sure routes et Organs ssment		Kidney oduce significant health effects in animals at con f >20 to 200 mg/kg bw.
Repe	ated dose toxicity		
Com	oonents:		
Trime	ethoprim:		
Expos	EL	: Rat : 100 mg/kg : 300 mg/kg : Oral : 6 Months : Bone marrow	<i>ı</i> , Liver, Pituitary gland, Thyroid
Expos		: Rat : 300 mg/kg : Oral : 3 Months : Bone marrow	1
Expos	EL	: Dog : 2,5 mg/kg : 45 mg/kg : Oral : 3 Months : Blood, Thyrol	id

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



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

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2,2'-l	minodiethanol:		
Spec		: Rat, female	
LÖA		: 14 mg/kg	
Appli	cation Route	: Ingestion	
Expo	sure time	: 13 Weeks	
Spec	ies	: Rat	
NOA	EL	: 0,015 mg/l	
	cation Route	: inhalation (d	ust/mist/fume)
	Exposure time		
Meth	od	: OECD Test	Guideline 413
Spec		: Rat	
LOAE		: 32 mg/kg	
	cation Route	: Skin contact	
Expo	sure time	: 13 Weeks	
Aspi	ration toxicity		
•	lassified based on av	ailable information.	
11.2 Infor	mation on other haz	ards	
Endo	ocrine disrupting pro	perties	
<u>Prod</u>	uct:		
Assessment			ce/mixture does not contain components cons

: 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: 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**

## 12.1 Toxicity Components: sulfadiazine: Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l

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



Exposure time: 96 h Method: OECD Test Guideline 203Toxicity to daphnia and other aquatic invertebrates:EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Method: OECD Test Guideline 202Toxicity to algae/aquatic plants::EC50 (Anabaena flos-aquae): 17 mg/l Exposure time: 72 h Method: OECD Test Guideline 201NOEC (Anabaena flos-aquae): 3.9 mg/l Exposure time: 72 h Method: OECD Test Guideline 201:Post::EC50 (Pseudokirchneriella subcapitata (green algae)): > 1 mg/l Exposure time: 72 h Method: OECD Test Guideline 201NOEC (Pseudokirchneriella subcapitata (green algae)): 0,13 mg/l Exposure time: 72 h Method: OECD Test Guideline 201NOEC (Pseudokirchneriella subcapitata (green algae)): 0,13 mg/l Exposure time: 72 h Method: OECD Test Guideline 201NOEC (Pseudokirchneriella subcapitata (green algae)): 0,13 mg/l Exposure time: 72 h Method: OECD Test Guideline 201NOEC (CD Test Guideline 201EC50 (Microcystis aeruginosa (blue-green algae)): 0,135 mg/l Exposure time: 72 h Method: ISO 8692Method: ISO 8692More: 1:00 mg/l Exposure time: 3 h Trest Type: Respiration inhibition Method: OECD Test Guideline 209NOEC: 1:000 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209NOEC: 1:000 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209NOEC: 1:000 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209NOEC: 1:000 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209 </th <th>Version 13.1</th> <th>Revision Date: 28.09.2024</th> <th></th> <th>9S Number: 2109-00029</th> <th>Date of last issue: 06.04.2024 Date of first issue: 10.02.2016</th>	Version 13.1	Revision Date: 28.09.2024		9S Number: 2109-00029	Date of last issue: 06.04.2024 Date of first issue: 10.02.2016
aquatic invertebratesExposure time: 48 h Method: OECD Test Guideline 202Toxicity to algae/aquatic plants:EC50 (Anabaena flos-aquae): 17 mg/l Exposure time: 72 h Method: OECD Test Guideline 201NOEC (Anabaena flos-aquae): 3,9 mg/l Exposure time: 72 h Method: OECD Test Guideline 201NOEC (Anabaena flos-aquae): 3,9 mg/l Exposure time: 72 h Method: OECD Test Guideline 201EC50 (Pseudokirchneriella subcapitata (green algae)): > 1 mg/l 					
plants       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         NOEC (Pseudokirchneriella subcapitata (green algae)): 0,13 mg/l Exposure time: 72 h Method: OECD Test Guideline 201         NOEC (Pseudokirchneriella subcapitata (green algae)): 0,135 mg/l Exposure time: 7 Days Method: ISO 8692         M-Factor (Acute aquatic tox- icity)       :         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/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209         Toxicity to daphnia and other ic toxicity)       :         M-Factor (Chronic aquatic toxicity)       :         Trimethoprim:       : <td></td> <td colspan="2"></td> <td colspan="2">Exposure time: 48 h</td>				Exposure time: 48 h	
Exposure time: 72 h Method: OECD Test Guideline 201Exposure time: 72 h Mg/lExposure time: 72 h Method: OECD Test Guideline 201NOEC (Pseudokirchneriella subcapitata (green algae)): 0,13 mg/lExposure time: 72 h Method: OECD Test Guideline 201NOEC (Pseudokirchneriella subcapitata (green algae)): 0,13 mg/lExposure time: 72 h Method: OECD Test Guideline 201EC50 (Microcystis aeruginosa (blue-green algae)): 0,135 mg/l Exposure time: 7 Days Method: ISO 8692M-Factor (Acute aquatic tox- icity):1Toxicity to microorganisms:EC50 : > 1.000 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209NOEC : 1.000 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209NOEC : 1.000 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209NOEC : 1.000 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209NOEC : 1.000 mg/l Exposure time: 2 h Test Type: Respiration inhibition Method: OECD Test Guideline 209NOEC : 0.200 mg/l Exposure time: 2 h Test Type: Respiration inhibition Method: OECD Test Guideline 209MoEc : 0.200 mg/l Exposure time: 2 h Method: OECD Test Guideline 209MoEc : 0.200 mg/l Exposure time: 2 h Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211M-Factor (Chronic aquatic toxicity):Trimethoprim::				Exposure time: 72	2 h
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       M-Factor (Acute aquatic tox- is converted to the state of the				Exposure time: 72	2 h
mg/l Exposure time: 72 h Method: OECD Test Guideline 201EC50 (Microcystis aeruginosa (blue-green algae)): 0,135 mg/l Exposure time: 7 Days Method: ISO 8692M-Factor (Acute aquatic tox- icity):1Toxicity to microorganisms:EC50 : > 1.000 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209NOEC : 1.000 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209NOEC : 1.000 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity):M-Factor (Chronic aquatic toxicity):M-Factor (Chronic aquatic toxicity):M-Factor (Chronic aquatic toxicity):Trimethoprim::				mg/l Exposure time: 72	2 h
Exposure time: 7 Days Method: ISO 8692M-Factor (Acute aquatic tox- icity):1Toxicity to microorganisms:EC50 : > 1.000 mg/l Exposure time: 3 h 				mg/l Exposure time: 72	2 h
<ul> <li>icity)</li> <li>Toxicity to microorganisms : EC50 : &gt; 1.000 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209</li> <li>NOEC : 1.000 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209</li> <li>Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)</li> <li>NOEC: 6,2 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211</li> <li>M-Factor (Chronic aquatic toxicity)</li> <li>Trimethoprim:</li> </ul>				Exposure time: 7	Days
Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209NOEC : 1.000 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity):NOEC: 6,2 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211M-Factor (Chronic aquatic toxicity):1Trimethoprim:		· ·	:	1	
Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity): NOEC: 6,2 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) 	To	xicity to microorganisms	:	Exposure time: 3 Test Type: Respir	h ation inhibition
aquatic invertebrates (Chron- ic toxicity) Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211 M-Factor (Chronic aquatic : 1 toxicity) Trimethoprim:				Exposure time: 3 Test Type: Respir	h ation inhibition
toxicity) Trimethoprim:	aq	uatic invertebrates (Chron-	:	Exposure time: 21 Species: Daphnia	magna (Water flea)
•			:	1	
		•	:	LC50 (Pimephale	s promelas (fathead minnow)): 100 mg/l



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			Exposure time: 96	5 h
	Toxicity to daphnia and other aquatic invertebrates		EC50 (Daphnia magna Straus): 92 mg/l Exposure time: 48 h	
	Toxicity to algae/aquatic plants		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
То	xicity 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 to fish (Chronic tox- icity) Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)		NOEC: 0,157 mg/ Exposure time: 21 Species: Zebrafish	d
aq			NOEC: 6 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea)	
2,2	'-Iminodiethanol:			
	xicity to fish	:	LC50 (Oncorhync Exposure time: 96	hus mykiss (rainbow trout)): 460 mg/l bh
	xicity to daphnia and other uatic invertebrates	:	EC50 (Ceriodaphi Exposure time: 48	nia dubia (water flea)): 30,1 mg/l 8 h
	xicity to algae/aquatic ints	:	ErC50 (Pseudokir mg/l Exposure time: 72	chneriella subcapitata (green algae)): 9,5 ? h
			EC10 (Pseudokiro mg/l Exposure time: 72	chneriella subcapitata (green algae)): 1,1 ? h



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1	Toxicity to microorganisms		:		sludge): > 1.000 mg/l			
				Exposure time: 30 Method: OECD T	est Guideline 209			
a	Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity)		:	EC10: 1,05 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea)				
12.2 I	12.2 Persistence and degradability							
<u>c</u>	Compo	onents:						
-	sulfadiazine: Biodegradability		:	Result: Not readil Biodegradation: ( Exposure time: 28 Method: OECD T	0%			
T	Trimet	hoprim:						
E	Biodeg	ıradability	:	Result: Not readil Biodegradation: 4 Exposure time: 28 Method: OECD T	4 %			
				Biodegradation: ( Exposure time: 28				
2	2, <b>2'-I</b> m	inodiethanol:						
E	Biodeg	ıradability	:	Result: Readily bi Biodegradation: 9 Exposure time: 28 Method: OECD T	93 %			
12.3 I	Bioaco	cumulative potential						
<u>c</u>	Compo	onents:						
F	Partitio	<b>iazine:</b> n coefficient: n- l/water	:	log Pow: 0,12				
F	Partitio	<b>hoprim:</b> n coefficient: n- l/water	:	log Pow: 0,91				
		inodiethanol: n coefficient: n-	:	log Pow: -2,46				



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octano	l/water	Method: OECD 1	est Guideline 107			
<b>12.4 Mobili</b> No dat	<b>ty in soil</b> a available					
12.5 Result	ts of PBT and vPvB a	ssessment				
<u>Produ</u> Assess		to be either persi	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.			
12.6 Endoc	rine disrupting prope	erties				
Produ	<u>ct:</u>					
Assess	sment	ered to have end REACH Article 5 (EU) 2017/2100	: 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.			
12.7 Other	adverse effects					
No dat	a available					
SECTION 13: Disposal considerations						
13.1 Waste	treatment methods					
Produc	zt	<ul> <li>Dispose of in accordance with local regulations.</li> <li>According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.</li> <li>Waste codes should be assigned by the user, preferably in</li> </ul>				

Contaminated packaging	:	discussion with the waste disposal authorities. Do not dispose of waste into sewer. 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 3267
ADR	:	UN 3267
RID	:	UN 3267
IMDG	:	UN 3267



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14 2		oper shipping name	:	UN 3267	
17.2	-				
	ADN		:	CORROSIVE LIC (Sodium hydroxic	QUID, BASIC, ORGANIC, N.O.S. le)
	ADR		:	CORROSIVE LIC (Sodium hydroxid	QUID, BASIC, ORGANIC, N.O.S. le)
	RID		:	CORROSIVE LIC (Sodium hydroxid	QUID, BASIC, ORGANIC, N.O.S. le)
	IMDG		:		
	ΙΑΤΑ		:	Corrosive liquid, l (Sodium hydroxid	pasic, organic, n.o.s. le)
14.3	B Trans	oort hazard class(es)			,
	-			Class	Subsidiary risks
	ADN		:	8	
	ADR		:	8	
	RID		:	8	
	IMDG		:	8	
	IATA		•	8	
14.4 Packing group		•	0		
		·9 9·04p			
	ADN Packin	g group	÷	1	
	Classif	ication Code	:	C7	
		I Identification Number	:	88	
	Labels		•	8	
	ADR Packin	g group		1	
	Classif	ication Code	:	C7	
		Identification Number	:	88	
	Labels Tunnel	restriction code	÷	8 (E)	
	RID			( )	
	Packin	g group	:	I	
		ication Code	:	C7	
	Labels	I Identification Number	÷	88 8	
	IMDG				
	Packin	g group	:	T	
	Labels EmS C		÷	8 E A S B	
			•	F-A, S-B	
	IA I A (	Cargo)			

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



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

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Packing instruction (cargo aircraft) Packing group Labels		:	854 I Corrosive		
IATA (Passenger) Packing instruction (passen- ger aircraft) Packing group Labels		:	850 I Corrosive		
14.5 E	Enviro	nmental hazards			
	<b>ADN</b> Enviror	nmentally hazardous	:	yes	
	<b>ADR</b> Enviror	nmentally hazardous	:	yes	
	<b>RID</b> Enviror	nmentally hazardous	:	yes	
	<b>MDG</b> 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, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered: Number on list 3

Number on list 75: If you intend to use this product as tattoo ink, please contact your vendor.

Substance(s) or mixture(s) are listed here according to their appearance in the regulation, irrespective of their use/purpose or the conditions of the restriction. Please refer to the conditions in corresponding Regulation to

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



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

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				determine whether an entry is app cable to the placing on the market not.
	CH - Candidate List of ern for Authorisation	f Substances of Very Higl (Article 59).	n :	Not applicable
	CH - List of substance ex XIV)	ı :	Not applicable	
Regu layer	( <i>'</i>	nces that deplete the ozo	ine :	Not applicable
Régu		1 on persistent organic po	ollu- :	Not applicable
Regu ment	lation (EU) No 649/20 and the Council conc ngerous chemicals		Not applicable	
		18/EU of the European P olving dangerous substa		t and of the Council on the control o
				Quantity 1 Quantity 2

		Quantity 1	Quantity 2
E1	ENVIRONMENTAL HAZARDS	100 t	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 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:

AICS	:	not determined
DSL	:	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

H290 :	May be corrosive to metals.
H302 :	Harmful if swallowed.
H314 :	Causes severe skin burns and eye damage.
H315 :	Causes skin irritation.
H318 :	Causes serious eye damage.
H319 :	Causes serious eye irritation.

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



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

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	20.00.2021	011	2100 00020					
H33	34	:	May cause allergy or asthma symptoms or breathing ties if inhaled.					
H33	35	:	May cause respiratory irritation.					
H36	51	:		maging fertility or the unborn child.				
H36	51d	:		maging the unborn child.				
H37	2	:	Causes damage to organs through prolonged or repeated exposure.					
H37	<b>'</b> 3	:	May cause damage to organs through prolonged or repeat exposure.					
H40	00	:	Very toxic to aqu	uatic life.				
H41		:		uatic life with long lasting effects.				
H41	1	:		life with long lasting effects.				
EUł	EUH014		Reacts violently with water.					
EUł	EUH071		Corrosive to the respiratory tract.					
Full	text of other abbreviat	ions						
Acu	te Tox.	:	Acute toxicity					
Aqu	Aquatic Acute		Short-term (acute) aquatic hazard					
	atic Chronic	:	Long-term (chronic) aquatic hazard					
Eye	Dam.	:	Serious eyè damage					
Eye	Irrit.	:	Eye irritation					
Met	. Corr.	:	Corrosive to metals					
Rep	or.	:	Reproductive toxicity					
Res	p. Sens.	:	Respiratory sense	sitisation				
Skir	n Corr.	:	Skin corrosion					
Skir	n Irrit.	:	Skin irritation					
	DT RE	:	Specific target organ toxicity - repeated exposure					
	DT SE	: Specific target organ toxicity - single exposure						
	R-2011-12-06-1358	:	: Norway. Occupational Exposure limits					
FOF TW	R-2011-12-06-1358 / A	:	Long term expos	sure limit				
FOF	R-2011-12-06-1358 / T	:	Ceiling					
ADI	N - European Agreement	conc	erning the Interna	ational Carriage of Dangerous Goods by Inland				

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;



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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 compile the Safety Data Sheet		data from raw material SDSs, OECD sults and European Chemicals Agen- u/
Classification of the mixtur	re:	Classification procedure:
Skin Corr. 1A	H314	Calculation method
Eye Dam. 1	H318	Calculation method
Resp. Sens. 1	H334	Calculation method
Repr. 2	H361d	Calculation method
STOT SE 3	H335	Calculation method
STOT RE 2	H373	Calculation method
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 1	H410	Calculation method

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