

## Safety Data Sheet

### ALPINE Scheibenklar Sommer 1:10

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

##### 1.1. Product identifier

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##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

###### Use of the substance/mixture

Cleaning agent

###### Uses advised against

No information available.

##### 1.3. Details of the supplier of the safety data sheet

Company name:	Mitan Mineralöl GmbH	
Street:	Industriestraße 8	
Place:	D-49577 Ankum	
Telephone:	+49 (0)5462/7470-50	Telefax: +49 (0)5462/7470-33
E-mail:	info@mitan-oil.de	
Internet:	www.mitan-oil.de	
Responsible Department:	Produktsicherheit / Product Safety sicherheitsdatenblatt@mitan-oil.de	

##### 1.4. Emergency telephone number:

Giftinformationszentrum Nord (Göttingen)  
+49 (0)551/19240

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### GB CLP Regulation

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

##### 2.2. Label elements

###### GB CLP Regulation

###### Special labelling of certain mixtures

EUH208                      Contains 1,2-benzisothiazol-3(2H)-one, Citronitrile. May produce an allergic reaction.

##### 2.3. Other hazards

No information available.

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

##### 3.2. Mixtures

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**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts			< 1 %
	500-234-8		01-2119488639-16	
	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H315 H318 H412			
25265-71-8	Dipropylene glycol			< 1 %
	246-770-3		01-2119456811-38	
138-86-3	Dipentene			< 0.1 %
	205-341-0	601-029-00-7	01-2120766421-57	
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H226 H315 H317 H400 H410			
5392-40-5	Citral			< 0.1 %
	226-394-6	605-019-00-3	01-2119462829-23	
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1; H315 H319 H317			
93893-89-1	Citronitrile			< 0.1 %
	299-682-2		01-2120743785-44	
	Acute Tox. 4, Skin Sens. 1A, Aquatic Chronic 3; H302 H317 H412			
2634-33-5	1,2-benzisothiazol-3(2H)-one			< 0.05 %
	220-120-9	613-088-00-6	01-2120761540-60	
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 2; H302 H315 H318 H317 H400 H411			
52-51-7	2-bromo-2-nitropropane-1,3-diol			< 0.01 %
	200-143-0	603-085-00-8	01-2119980938-15	
	Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, STOT SE 3, Aquatic Acute 1; H312 H302 H315 H318 H335 H400			

Full text of H and EUH statements: see section 16.

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#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
68891-38-3	500-234-8	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	< 1 %
		dermal: LD50 = >= 2000 mg/kg; oral: LD50 = 4100 mg/kg Eye Dam. 1; H318: >= 10 - 100 Eye Irrit. 2; H319: >= 5 - < 10	
25265-71-8	246-770-3	Dipropylene glycol	< 1 %
		dermal: LD50 = > 5010 mg/kg	
5392-40-5	226-394-6	Citral	< 0.1 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = ca. 6800 mg/kg	
93893-89-1	299-682-2	Citronitrile	< 0.1 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 300 - < 2000 mg/kg Skin Sens. 1A; H317: >= 0,1 - 100	
2634-33-5	220-120-9	1,2-benzisothiazol-3(2H)-one	< 0.05 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = 670 mg/kg Skin Sens. 1; H317: >= 0,05 - 100	
52-51-7	200-143-0	2-bromo-2-nitropropane-1,3-diol	< 0.01 %
		inhalation: LC50 = > 0,12 - < 1,14 mg/l (dusts or mists); dermal: LD50 = > 2000 mg/kg; oral: LD50 = 211 mg/kg Aquatic Acute 1; H400: M=10	

#### Labelling for contents according to Regulation (EC) No 648/2004

< 5 % anionic surfactants, perfumes (Limonene, Citral), preservation agents (1,2-Benzisothiazol-3(2H)-on, 2-Bromo-2-nitropropane-1,3-diol).

#### Further Information

This mixture contains no substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

Take off contaminated clothing and wash it before reuse.

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

##### After inhalation

Provide fresh air. Call a doctor if you feel unwell.

##### After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

In case of skin irritation, consult a physician.

##### After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Remove contact lenses, if present and easy to do. Continue rinsing.

##### After ingestion

Rinse mouth thoroughly with water.

Let water be drunken in little sips (dilution effect).

Do NOT induce vomiting.

In all cases of doubt, or when symptoms persist, seek medical advice.

#### 4.2. Most important symptoms and effects, both acute and delayed

No information available.

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#### **4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

- Foam
- Extinguishing powder
- Carbon dioxide (CO<sub>2</sub>)
- Water spray jet

#### **5.2. Special hazards arising from the substance or mixture**

Non-flammable. Formation of toxic gases is possible during heating or in case of fire.

#### **5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus. No special technical protective measures are necessary.

#### **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.  
Dispose of waste according to applicable legislation.

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

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

##### **General advice**

Provide adequate ventilation.  
Do not breathe gas/fumes/vapour/spray.  
Use personal protection equipment.

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.  
Do not allow to enter into soil/subsoil.

#### **6.3. Methods and material for containment and cleaning up**

##### **For containment**

Stop leak if safe to do so.  
Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

##### **For cleaning up**

Collect in closed and suitable containers for disposal.  
Treat the recovered material as prescribed in the section on waste disposal.  
Clean contaminated articles and floor according to the environmental legislation.

#### **6.4. Reference to other sections**

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

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

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

Use only in well-ventilated areas.

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#### **Advice on protection against fire and explosion**

No special fire protection measures are necessary.

#### **7.2. Conditions for safe storage, including any incompatibilities**

##### **Requirements for storage rooms and vessels**

Keep container tightly closed. Keep/Store only in original container.

##### **Hints on joint storage**

Do not store together with: Food and feedingstuffs.

Keep away from food, drink and animal feedingstuffs.

##### **Further information on storage conditions**

Store in a cool dry place.

Protect against: Frost.

#### **7.3. Specific end use(s)**

Cleaning agent

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

#### **8.1. Control parameters**

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#### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts			
Worker DNEL, long-term		inhalation	systemic	175 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	2750 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	52 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	1650 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	15 mg/kg bw/day
25265-71-8	Dipropylene glycol			
Worker DNEL, long-term		inhalation	systemic	238 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	84 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	70 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	51 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	24 mg/kg bw/day
5392-40-5	Citral			
Worker DNEL, long-term		inhalation	systemic	9 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	1,7 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	2,7 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	1 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,6 mg/kg bw/day
93893-89-1	Citronitrile			
Worker DNEL, long-term		inhalation	systemic	0,588 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	1,667 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,145 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	0,833 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,083 mg/kg bw/day
Consumer DNEL, acute		oral	systemic	0,25 mg/kg bw/day
2634-33-5	1,2-benzisothiazol-3(2H)-one			
Worker DNEL, long-term		inhalation	systemic	6,81 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	0,966 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	1,2 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	0,345 mg/kg bw/day
52-51-7	2-bromo-2-nitropropane-1,3-diol			
Worker DNEL, long-term		inhalation	systemic	3,5 mg/m <sup>3</sup>

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Worker DNEL, acute	inhalation	systemic	10,5 mg/m <sup>3</sup>
Worker DNEL, long-term	inhalation	local	2,5 mg/m <sup>3</sup>
Worker DNEL, acute	inhalation	local	2,5 mg/m <sup>3</sup>
Worker DNEL, long-term	dermal	systemic	2 mg/kg bw/day
Worker DNEL, acute	dermal	systemic	6 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	0,6 mg/m <sup>3</sup>
Consumer DNEL, acute	inhalation	systemic	1,8 mg/m <sup>3</sup>
Consumer DNEL, acute	inhalation	local	0,6 mg/m <sup>3</sup>
Consumer DNEL, long-term	dermal	systemic	0,7 mg/kg bw/day
Consumer DNEL, acute	dermal	systemic	2,1 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,18 mg/kg bw/day
Consumer DNEL, acute	oral	systemic	0,5 mg/kg bw/day

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**PNEC values**

CAS No	Substance		Value
Environmental compartment			
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts		
	Freshwater		0,24 mg/l
	Freshwater (intermittent releases)		0,071 mg/l
	Marine water		0,024 mg/l
	Freshwater sediment		0,917 mg/kg
	Marine sediment		0,092 mg/kg
	Micro-organisms in sewage treatment plants (STP)		10000 mg/l
	Soil		7,5 mg/kg
25265-71-8	Dipropylene glycol		
	Freshwater		0,1 mg/l
	Freshwater (intermittent releases)		1 mg/l
	Marine water		0,01 mg/l
	Freshwater sediment		0,238 mg/kg
	Marine sediment		0,024 mg/kg
	Secondary poisoning		313 mg/kg
	Micro-organisms in sewage treatment plants (STP)		1000 mg/l
	Soil		0,025 mg/kg
5392-40-5	Citral		
	Freshwater		0,007 mg/l
	Freshwater (intermittent releases)		0,068 mg/l
	Marine water		0,001 mg/l
	Freshwater sediment		0,125 mg/kg
	Marine sediment		0,013 mg/kg
	Micro-organisms in sewage treatment plants (STP)		1,6 mg/l
	Soil		0,021 mg/kg
93893-89-1	Citronitrile		
	Freshwater		0,005 mg/l
	Freshwater (intermittent releases)		0,05 mg/l
	Marine water		0,001 mg/l
	Freshwater sediment		0,2 mg/kg
	Marine sediment		0,02 mg/kg
	Micro-organisms in sewage treatment plants (STP)		0,26 mg/l
	Soil		0,035 mg/kg
2634-33-5	1,2-benzisothiazol-3(2H)-one		
	Freshwater		0,00403 mg/l
	Freshwater (intermittent releases)		0,0011 mg/l
	Marine water		0,000403 mg/l

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Freshwater sediment	0,0499 mg/kg
Marine sediment	0,00499 mg/kg
Micro-organisms in sewage treatment plants (STP)	1,03 mg/l
Soil	3 mg/kg
52-51-7	2-bromo-2-nitropropane-1,3-diol
Freshwater	0,01 mg/l
Freshwater (intermittent releases)	0,003 mg/l
Marine water	0,001 mg/l
Freshwater sediment	0,041 mg/kg
Marine sediment	0,003 mg/kg
Micro-organisms in sewage treatment plants (STP)	0,43 mg/l
Soil	0,5 mg/kg

#### Additional advice on limit values

To date, no national critical limit values exist.

#### 8.2. Exposure controls



#### Protective and hygiene measures

Take off contaminated clothing and wash it before reuse.

Wash hands and face before breaks and after work and take a shower if necessary.

When using do not eat, drink, smoke, sniff. Keep away from food, drink and animal feedingstuffs.

#### Eye/face protection

During filling, metering, mixing and sampling must be used:

Wear eye/face protection. EN 166

#### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Recommended glove articles: EN ISO 374

Suitable material: NBR (Nitrile rubber)

Thickness of the glove material: 0,4 mm

Breakthrough times and swelling properties of the material must be taken into consideration. Breakthrough time: > 8h

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### Skin protection

Wear suitable protective clothing.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

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#### SECTION 9: Physical and chemical properties

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

Physical state:	Liquid
Colour:	yellow
Odour:	characteristic
Odour threshold:	not determined
pH-Value (at 20 °C):	7,0 - 8,0

##### **Changes in the physical state**

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	> 100 °C
Flash point:	not determined

##### **Flammability**

Solid/liquid:	not applicable not applicable
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##### **Explosive properties**

The product is not: Explosive.

Lower explosion limits:	not determined
Upper explosion limits:	not determined

##### **Self-ignition temperature**

Solid:	not applicable
Gas:	not applicable

Decomposition temperature:	not determined
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##### **Oxidizing properties**

The product is not: oxidising.

Vapour pressure:	not determined
Density (at 20 °C):	0,998 g/cm <sup>3</sup>
Water solubility:	easily soluble

##### **Solubility in other solvents**

Miscible with: Water

Partition coefficient n-octanol/water:	not determined
Relative vapour density:	not determined
Evaporation rate:	not determined

##### 9.2. Other information

Solid content:	not determined
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#### SECTION 10: Stability and reactivity

##### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

##### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

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#### **10.3. Possibility of hazardous reactions**

No known hazardous reactions.

#### **10.4. Conditions to avoid**

No known hazardous decomposition products.

#### **10.5. Incompatible materials**

No information available.

#### **10.6. Hazardous decomposition products**

No information available.

### SECTION 11: Toxicological information

#### **11.1. Information on hazard classes as defined in GB CLP Regulation**

##### **Acute toxicity**

Based on available data, the classification criteria are not met.

##### **ATEmix calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts				
	oral	LD50 4100 mg/kg	Rat	Study report (1986)	OECD Guideline 401
	dermal	LD50 >= 2000 mg/kg	Rat	Study report (2012)	OECD Guideline 402
25265-71-8	Dipropylene glycol				
	dermal	LD50 > 5010 mg/kg	Rabbit	Study report (1995)	EPA OPP 81-2
5392-40-5	Citral				
	oral	LD50 ca. 6800 mg/kg	Rat	Study report (1978)	Method: BASF-test according to internal
	dermal	LD50 > 2000 mg/kg	Rat	Study report (1978)	internal BASF-Test: single dose group ex
93893-89-1	Citronitrile				
	oral	LD50 > 300 - < 2000 mg/kg	Rat	Study report (2015)	OECD Guideline 423
	dermal	LD50 > 2000 mg/kg	Rat	Study report (1990)	OECD Guideline 402
2634-33-5	1,2-benzisothiazol-3(2H)-one				
	oral	LD50 670 mg/kg	Rat	Study report (1988)	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rat	Study report (1994)	OECD Guideline 402
52-51-7	2-bromo-2-nitropropane-1,3-diol				
	oral	LD50 211 mg/kg	Rat	Study report (2001)	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rat	Study report (2000)	OECD Guideline 402
	inhalation (4 h) dust/mist	LC50 > 0,12 - < 1,14 mg/l	Rat	Study report (2003)	OECD Guideline 403

#### Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

#### Sensitising effects

Based on available data, the classification criteria are not met.

Contains 1,2-benzisothiazol-3(2H)-one, Citronitrile. May produce an allergic reaction.

#### Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

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#### **Aspiration hazard**

Based on available data, the classification criteria are not met.

#### **Additional information on tests**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

#### **11.2. Information on other hazards**

##### **Endocrine disrupting properties**

No information available.

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

#### **12.1. Toxicity**

The product is not: Ecotoxic.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts					
	Acute fish toxicity	LC50 7,1 mg/l	96 h	Danio rerio	REACH Registration Dossier	other: EG Guideline 92/69 C.1
	Acute algae toxicity	ErC50 mg/l 27,7	72 h	Desmodesmus subspicatus	REACH Registration Dossier	other: EU-Guideline 92/69 EWG
	Acute crustacea toxicity	EC50 7,4 mg/l	48 h	Daphnia magna	REACH Registration Dossier	other: EG Guideline 92/69/EWG
	Fish toxicity	NOEC 0,2 mg/l	28 d	Oncorhynchus mykiss	REACH Registration Dossier	OECD Guideline 204
	Crustacea toxicity	NOEC mg/l 0,27	21 d	Daphnia magna	REACH Registration Dossier	OECD Guideline 211
25265-71-8	Dipropylene glycol					
	Acute fish toxicity	LC50 mg/l 46500	96 h	Pimephales promelas	Study report (1993)	EPA OTS 797.1400
	Acute algae toxicity	ErC50 mg/l > 100	72 h	Desmodesmus subspicatus	Study report (2002)	OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l > 100	48 h	Daphnia magna	Study report (2002)	OECD Guideline 202
5392-40-5	Citral					
	Acute fish toxicity	LC50 mg/l 6,78	96 h	Leuciscus idus	Study report (1989)	other: German standard DIN 38412, part L
	Acute algae toxicity	ErC50 mg/l 103,8	72 h	Desmodesmus subspicatus	Study report (1989)	other: DIN 38412 L9
	Acute crustacea toxicity	EC50 6,8 mg/l	48 h	Daphnia magna	Study report (1988)	other: Directive 79/831 EWG, C2 annex V
	Acute bacteria toxicity	EC50 mg/l ( ) ca. 160	0,5 h	activated sludge, domestic	Study report (1994)	OECD Guideline 209
93893-89-1	Citronitrile					
	Acute fish toxicity	LC50 mg/l 11,1	96 h	Danio rerio	Study report (2016)	OECD Guideline 203
	Acute algae toxicity	ErC50 mg/l 4,68	72 h	Raphidocelis subcapitata	Study report (2016)	OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l 16,5	48 h	Daphnia magna	Study report (2000)	OECD Guideline 202
2634-33-5	1,2-benzisothiazol-3(2H)-one					
	Acute fish toxicity	LC50 mg/l ca. 16,7	96 h	Cyprinodon variegatus	REACH Registration Dossier	other:
	Acute algae toxicity	ErC50 mg/l 0,15	72 h	Pseudokirchneriella subcapitata	Study report (1994)	OECD Guideline 201

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	Acute crustacea toxicity	EC50 mg/l	2,94	48 h	Daphnia magna	Study report (1995)	OECD Guideline 202
	Acute bacteria toxicity	EC50 )	13 mg/l (	3 h	activated sludge of a predominantly domestic sewage	REACH Registration Dossier	OECD Guideline 209
52-51-7	2-bromo-2-nitropropane-1,3-diol						
	Acute fish toxicity	LC50 mg/l	35,7	96 h	Lepomis macrochirus	Study report (1984)	EPA OPP 72-1
	Acute algae toxicity	ErC50 mg/l	0,25	72 h	Skeletonema costatum	Study report (1998)	other: ISO guideline 10253 and U.S. EPA
	Acute crustacea toxicity	EC50	1,4 mg/l	48 h	Daphnia magna	Study report (1981)	OECD Guideline 202
	Fish toxicity	NOEC mg/l	21,5	49 d	Oncorhynchus mykiss	Study report (1996)	OECD Guideline 210
	Crustacea toxicity	NOEC mg/l	0,27	21 d	Daphnia magna	Study report (1992)	OECD Guideline 211
	Acute bacteria toxicity	EC50 mg/l ( )	ca. 230	0,5 h	Activated sludge	Study report (2002)	OECD Guideline 209

#### 12.2. Persistence and degradability

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
52-51-7	2-bromo-2-nitropropane-1,3-diol			
	OECD 301B	>70%		

#### 12.3. Bioaccumulative potential

##### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	0,3
25265-71-8	Dipropylene glycol	-0,462
5392-40-5	Citral	2,76
93893-89-1	Citronitrile	2,81
2634-33-5	1,2-benzisothiazol-3(2H)-one	0,63
52-51-7	2-bromo-2-nitropropane-1,3-diol	0,21

##### BCF

CAS No	Chemical name	BCF	Species	Source
25265-71-8	Dipropylene glycol	0,3 - 4,6	Cyprinus carpio	Japan Chemical Indus
2634-33-5	1,2-benzisothiazol-3(2H)-one	ca. 6,62	Lepomis macrochirus	REACH Registration D
52-51-7	2-bromo-2-nitropropane-1,3-diol	3,16	calculated value	EPIWIN calculation (

#### 12.4. Mobility in soil

The product has not been tested.

#### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.  
There are no data available on the mixture itself.

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#### **12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

No information available.

#### **12.7. Other adverse effects**

No information available.

### SECTION 13: Disposal considerations

#### **13.1. Waste treatment methods**

##### **Disposal recommendations**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

##### **Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

### SECTION 14: Transport information

#### **Land transport (ADR/RID)**

##### **14.1. UN number:**

No dangerous good in sense of this transport regulation.

##### **14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

##### **14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

##### **14.4. Packing group:**

No dangerous good in sense of this transport regulation.

#### **Inland waterways transport (ADN)**

##### **14.1. UN number:**

No dangerous good in sense of this transport regulation.

##### **14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

##### **14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

##### **14.4. Packing group:**

No dangerous good in sense of this transport regulation.

#### **Marine transport (IMDG)**

##### **14.1. UN number:**

No dangerous good in sense of this transport regulation.

##### **14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

##### **14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

##### **14.4. Packing group:**

No dangerous good in sense of this transport regulation.

#### **Air transport (ICAO-TI/IATA-DGR)**

##### **14.1. UN number:**

No dangerous good in sense of this transport regulation.

##### **14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

##### **14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

##### **14.4. Packing group:**

No dangerous good in sense of this transport regulation.

#### **14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

#### **14.6. Special precautions for user**

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

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#### SECTION 15: Regulatory information

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

###### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 75

Directive 2004/42/EC on VOC in  
paints and varnishes: 0,025 % (0,252 g/l)

Information according to Directive  
2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

###### Additional information

Regulation (EC) No. 648/2004 [Detergents regulation].

###### National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

##### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

#### SECTION 16: Other information

##### Changes

This data sheet contains changes from the previous version in section(s): 2.

##### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

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vPvB: very persistent, very bioaccumulative  
RID: Regulations concerning the international carriage of dangerous goods by rail  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation  
intérieures)  
EmS: Emergency Schedules  
MFAG: Medical First Aid Guide  
ICAO: International Civil Aviation Organization  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
SVHC: Substance of Very High Concern  
For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>  
VOC: Volatile Organic Compounds

#### Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains 1,2-benzisothiazol-3(2H)-one, Citronitrile. May produce an allergic reaction.

#### Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*