

## Safety Data Sheet

according to UK REACH Regulation

### ESD-Floor-Cleaner

Revision date: 02.02.2023

Product code: 5657

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

### 1.1. Product identifier

ESD-Floor-Cleaner

UFI: JD9T-DCH0-KF0Y-PU55

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

#### Use of the substance/mixture

Floor cleaning products; Consumer uses, Professional uses, Industrial uses.

#### Uses advised against

This information is not available.

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

Company name:	Wolfgang Warmbier GmbH & Co. KG	
	Systeme gegen Elektrostatik	
Street:	Untere Gießwiesen 21	
Place:	D-78247 Hilzingen	
Telephone:	+497731-8688-0	Telefax: +497731-8688-30
e-mail:	info@warmbier.com	
Contact person:	Jürgen Speicher	Telephone: +497731-8688-11
e-mail:	juergen.speicher@warmbier.com	
Internet:	www.warmbier.com	

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### GB CLP Regulation

Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

#### GB CLP Regulation

#### Hazard components for labelling

Alcohols, C12-14, ethoxylated, sulfates, sodium salts  
Alcohols C11-14-iso, C13-rich, ethoxylated

Signal word: Danger

#### Pictograms:



#### Hazard statements

H318 Causes serious eye damage.

#### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P280 Wear protective gloves and eye/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/doctor.

#### Additional advice on labelling

Labelling according to Regulation (EC) No. 1272/2008 [CLP].

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#### 2.3. Other hazards

Frequently or prolonged contact with skin may cause dermal irritation.

Special danger of slipping by leaking/spilling product.

Results of PBT and vPvB assessment: The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Hazardous components

CAS No	Chemical name	EC No	Index No	REACH No	Quantity
		Classification (GB CLP Regulation)			
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts				1 - < 5 %
		500-234-8		01-2119488639-16	
	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H315 H318 H412				
78330-21-9	Alcohols C11-14-iso, C13-rich, ethoxylated				1 - < 5 %
	Acute Tox. 4, Eye Dam. 1, Aquatic Chronic 3; H302 H318 H412				
111-76-2	2-Butoxyethanol				1 - < 5 %
		203-905-0	603-014-00-0	01-2119475108-36	
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H332 H312 H302 H315 H319				
68425-72-9	Phosphoric acid, 2-ethylhexyl ester, compd. with 2-aminoethanol				1 - < 5 %
		270-368-7			
	Skin Irrit. 2, Eye Irrit. 2; H315 H319				

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

##### 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 - < 5 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = 2870 - 4100 mg/kg Eye Dam. 1; H318: >= 10 - 100 Eye Irrit. 2; H319: >= 5 - < 10	
78330-21-9		Alcohols C11-14-iso, C13-rich, ethoxylated	1 - < 5 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = 1200 mg/kg	
111-76-2	203-905-0	2-Butoxyethanol	1 - < 5 %
		inhalation: LC50 = 523 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = 1060 mg/kg; oral: ATE 1200 mg/kg	

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

< 5 % anionic surfactants, < 5 % non-ionic surfactants, < 5 % phosphates, preservation agents (SODIUM PYRITHIONE, BENZISOTHIAZOLINONE).

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

When in doubt or if symptoms are observed, get medical advice.

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#### After inhalation

Provide fresh air.

#### After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

#### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Protect uninjured eye. Remove contact lenses, if present and easy to do. Continue rinsing.

#### After ingestion

Rinse mouth immediately and drink 1 glass of water. Do NOT induce vomiting. Call a physician immediately.

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

Following inhalation: Dizziness, Dizziness.

Following skin contact: Has degreasing effect on the skin. Mild skin irritation, irritation of mucous membranes.

After eye contact: Acute eye irritation/corrosion, pain, redness. Danger of very serious irreversible effects.

Following ingestion: Nausea, Vomiting, Gastrointestinal complaints.

#### **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. Suitable extinguishing media: Water spray jet, Foam, Extinguishing powder, Carbon dioxide (CO<sub>2</sub>).

##### Unsuitable extinguishing media

Full water jet.

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

Non-flammable. In case of fire may be liberated: Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Phosphorus oxides, Sulphur oxides.

Heating causes rise in pressure with risk of bursting.

Special danger of slipping by leaking/spilling product.

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

In case of fire: Wear self-contained breathing apparatus.

#### **Additional information**

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately.

Do not allow entering drains or surface water.

### 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. Avoid contact with skin, eyes and clothes.

##### For non-emergency personnel

Use personal protection equipment.

##### For emergency responders

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Remove persons to safety.

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

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

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#### For containment

Prevent spread over a wide area (e.g. by containment or oil barriers).

#### For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Clear contaminated areas thoroughly. Wash with plenty of water.

#### Other information

Ventilate affected area.

#### 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

Provide adequate ventilation. Do not breathe mist/vapours/spray. Avoid contact with skin, eyes and clothes.

#### Advice on protection against fire and explosion

Usual measures for fire prevention.

#### Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

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

#### Requirements for storage rooms and vessels

Keep container tightly closed.

#### Hints on joint storage

No special measures are necessary. Keep away from: Food and feedingstuffs.

#### Further information on storage conditions

Keep at temperatures between 5 and 25°C. Protect against: Heat, UV-radiation/sunlight, Frost.

Maximum storage period (time): at least 24 months from production date.

### 7.3. Specific end use(s)

Floor cleaning products; Consumer uses, Professional uses, Industrial uses.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
111-76-2	2-Butoxyethanol	25	123		TWA (8 h)	WEL
		50	246		STEL (15 min)	WEL

#### Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
111-76-2	2-Butoxyethanol	butoxyacetic acid (creatinine)	240 mmol/mol	urine	Post shift

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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		dermal	systemic	2750 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	175 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
Consumer DNEL, long-term		inhalation	systemic	52 mg/m <sup>3</sup>
111-76-2	2-Butoxyethanol			
Worker DNEL, acute		dermal	systemic	89 mg/kg bw/day
Worker DNEL, acute		inhalation	systemic	1091 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation	systemic	426 mg/m <sup>3</sup>
Consumer DNEL, acute		dermal	systemic	44,5 mg/kg bw/day
Worker DNEL, acute		inhalation	local	246 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	75 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	98 mg/m <sup>3</sup>
Consumer DNEL, acute		oral	systemic	26,7 mg/kg bw/day
Consumer DNEL, acute		inhalation	local	147 mg/m <sup>3</sup>
Consumer DNEL, long-term		oral	systemic	6,3 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	59 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	38 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		0,9168 mg/kg
Marine sediment		0,09168 mg/kg
Micro-organisms in sewage treatment plants (STP)		10000 mg/l
Soil		7,5 mg/kg
111-76-2	2-Butoxyethanol	
Freshwater		8,8 mg/l
Freshwater (intermittent releases)		26,4 mg/l
Marine water		0,88 mg/l
Freshwater sediment		34,6 mg/kg
Marine sediment		3,46 mg/kg
Secondary poisoning		20 mg/kg
Micro-organisms in sewage treatment plants (STP)		463 mg/l
Soil		2,33 mg/kg

#### 8.2. Exposure controls



##### Appropriate engineering controls

Provide adequate ventilation. Do not breathe mist/vapours/spray.

##### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Suitable eye protection: goggles.

##### 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. 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.

Suitable material: NBR (Nitrile rubber), Thickness of the glove material: 0,4 mm, Butyl caoutchouc (butyl rubber), Thickness of the glove material: 0,5 mm, PVC (polyvinyl chloride), Thickness of the glove material: 0,5 mm, CR (polychloroprene, chloroprene rubber), Thickness of the glove material: 0,5 mm, FKM (fluoro rubber), Thickness of the glove material: 0,7 mm, NR (natural rubber, Natural latex), Thickness of the glove material: 0,5 mm, Breakthrough time: 480 min. Wear cotton undermitten if possible.

##### Skin protection

Wear suitable protective clothing.

##### Respiratory protection

Usually no personal respirative protection necessary. In case of inadequate ventilation wear respiratory protection. Respiratory protection necessary at: aerosol or mist formation. Suitable respiratory protection apparatus: Filtering device (full mask or mouthpiece) with filter: A-P2, A-P3, Combination filtering device

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ABEK-P2.

#### Thermal hazards

not relevant.

#### Environmental exposure controls

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

## SECTION 9: Physical and chemical properties

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

Physical state:	Liquid	
Colour:	colourless, clear	
Odour:	fruity	
Odour threshold:	not determined	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		100 °C
Flammability		
Solid/liquid:		not applicable
Gas:		not applicable
Lower explosion limits:		not determined
Upper explosion limits:		not determined
Flash point:		> 200 °C
Auto-ignition temperature:		not determined
Decomposition temperature:		not determined
pH-Value (at 20 °C):		8 - 8,5
Water solubility:		completely miscible
Solubility in other solvents		
not determined		
Partition coefficient n-octanol/water:		not determined
Vapour pressure:		23,4 hPa
(at 20 °C)		
Density (at 20 °C):		1,02 g/cm <sup>3</sup>
Relative vapour density:		not determined

### 9.2. Other information

#### Information with regard to physical hazard classes

Explosive properties

The product is not: Explosive.

Oxidizing properties

The product is not: oxidising.

#### Other safety characteristics

Evaporation rate: not determined

Solid content: not determined

## 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.

### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

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#### 10.4. Conditions to avoid

none

#### 10.5. Incompatible materials

No information available.

#### 10.6. Hazardous decomposition products

No known hazardous decomposition products. Hazardous combustion products: See also section 5.

### 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) 22140,2 mg/kg; ATE (dermal) 53000,0 mg/kg; ATE (inhalation vapour) 550,00 mg/l; ATE (inhalation dust/mist) 75,000 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts				
	oral	LD50 2870 - 4100 mg/kg	Rat	Echa	
	dermal	LD50 > 2000 mg/kg	Rat	Echa	
78330-21-9	Alcohols C11-14-iso, C13-rich, ethoxylated				
	oral	LD50 1200 mg/kg			calculated.
	dermal	LD50 > 2000 mg/kg	Rabbit	Publication (2012)	
111-76-2	2-Butoxyethanol				
	oral	ATE 1200 mg/kg			
	dermal	LD50 1060 mg/kg	Rabbit	Study report (1994)	OECD 402
	inhalation (4 h) vapour	LC50 523 mg/l	Rat	Study report (1980)	OECD 403
	inhalation dust/mist	ATE 1,5 mg/l			

##### Irritation and corrosivity

Causes serious eye damage.

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

##### Sensitising effects

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

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

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.

##### Aspiration hazard

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

#### 11.2. Information on other hazards

##### Endocrine disrupting properties



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

#### Other information

Has degreasing effect on the skin.

#### Further information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

## SECTION 12: Ecological information

### 12.1. Toxicity

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

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 (zebrafish)		ISO 7346
	Acute algae toxicity	ErC50 27 - 27,7 mg/l	72 h	Aquatic Algae and Cyanobacteria	Echa	
	Acute crustacea toxicity	EC50 7,2 - 7,4 mg/l	48 h	Daphnia magna (Big water flea)		
	Fish toxicity	NOEC 1 mg/l	45 d	Fish	Echa	
	Algae toxicity	NOEC 0,93 - 0,95 mg/l	3 d	Aquatic Algae and Cyanobacteria	Echa	
	Crustacea toxicity	NOEC 0,27 mg/l	21 d	Aquatic Invertebrates	Echa	
	Acute bacteria toxicity	(EC50 > 100 mg/l)		Pseudomonas putida		OECD 209
78330-21-9	Alcohols C11-14-iso, C13-rich, ethoxylated					
	Acute fish toxicity	LC50 > 1 - 10 mg/l	96 h	Leuciscus idus (golden orfe)	Study report (1994)	
	Acute algae toxicity	ErC50 > 1 - 10 mg/l	96 h	algae	Study report (1994)	
	Acute crustacea toxicity	EC50 > 1 - 10 mg/l	48 h	Daphnia magna (Big water flea)	Study report (1994)	
	Fish toxicity	NOEC 0,4 - 4 mg/l	7 d	Pimephales promelas (fathead minnow)	Study report (1994)	
	Crustacea toxicity	NOEC 1 - 4 mg/l	7 d	Daphnia magna (Big water flea)	Study report (1994)	
111-76-2	2-Butoxyethanol					
	Acute fish toxicity	LC50 1474 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	Publication (2002)	OECD 203
	Acute algae toxicity	ErC50 911 mg/l	72 h	Raphidocelis subcapitata	Publication (2002)	OECD 201
	Acute crustacea toxicity	EC50 1550 mg/l	48 h	Daphnia magna (Big water flea)	Publication (2002)	OECD 202
	Fish toxicity	NOEC > 100 mg/l	21 d	Danio rerio (zebrafish)	Publication (2002)	OECD 204
	Crustacea toxicity	NOEC 100 mg/l	21 d	Daphnia magna (Big water flea)	Publication (2002)	OECD 211

### 12.2. Persistence and degradability

The product has not been tested.

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CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts			
	Biodegradation, OECD 302B/ ISO 9888/ EEC 92/69/V, C.9	> 80%		
	Readily biodegradable (according to OECD criteria).			
	Biodegradation, OECD 301E/ EEC 92/69/V, C.4-B	> 95%	28	
	Readily biodegradable (according to OECD criteria).			
111-76-2	2-Butoxyethanol			
	Biodegradation, CO <sub>2</sub> formation (% of the theoretical value).	18,3	3	
	Readily biodegradable (according to OECD criteria).			

#### 12.3. Bioaccumulative potential

The product has not been tested.

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	0,3
111-76-2	2-Butoxyethanol	0,81

#### 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.

The product has not been tested.

#### 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.

#### 12.7. Other adverse effects

No information available.

#### Further information

Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal recommendations

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

##### List of Wastes Code - residues/unused products

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

##### List of Wastes Code - used product

200130 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents other than those mentioned in 20 01 29

##### List of Wastes Code - contaminated packaging

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150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

#### Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.  
Clean container with water.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

**14.1. UN number or ID 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 or ID 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 or ID 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 or ID 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

Safe handling: see section 7

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

not applicable

### 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 3, Entry 75

2010/75/EU (VOC): < 5 % (< 51 g/l)  
Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

##### National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

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

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#### 15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:  
2-Butoxyethanol

### SECTION 16: Other information

#### Abbreviations and acronyms

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  
 CAS: Chemical Abstracts Service  
 DNEL: Derived No Effect Level  
 DMEL: Derived Minimal Effect Level  
 PNEC: Predicted No Effect Concentration  
 ATE: Acute toxicity estimate  
 LC50: Lethal concentration, 50%  
 LD50: Lethal dose, 50%  
 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  
 vPvB: very persistent, very bioaccumulative  
 ADR: Accord européen sur le transport des marchandises dangereuses par Route  
 (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 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)  
 IMDG: International Maritime Code for Dangerous Goods  
 EmS: Emergency Schedules  
 MFAG: Medical First Aid Guide  
 IATA: International Air Transport Association  
 ICAO: International Civil Aviation Organization  
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
 IBC: Intermediate Bulk Container  
 VOC: Volatile Organic Compounds  
 SVHC: Substance of Very High Concern  
 For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

#### Key literature references and sources for data

To create the safety data sheet information from our suppliers, information on chemicals from the European Chemicals Agency (ECHA) and data from the GESTIS substance database were used.

#### Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Eye Dam. 1; H318	Calculation method

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

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.

## Safety Data Sheet

according to UK REACH Regulation

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H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H412 Harmful to aquatic life with long lasting effects.

#### 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.

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