

Safety Data Sheet

according to UK REACH Regulation

ESD-Floor-Stripper

Revision date: 03.02.2023

Product code: 5658

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

1.1. Product identifier

ESD-Floor-Stripper

UFI: 6G9T-WC6D-WF0G-A5R7

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	
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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

Skin Irrit. 2; H315

Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

2-Aminoethanol

Sodium etasulfate

Signal word: Danger

Pictograms:



Hazard statements

H315 Causes skin irritation.

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.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves and eye/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P310 Immediately call a POISON CENTER/doctor.

Additional advice on labelling

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

2.3. Other hazards

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	Quantity
	EC No	
	Index No	
	REACH No	
	Classification (GB CLP Regulation)	
34590-94-8	(2-Methoxymethylethoxy)propanol	10 - < 12.5 %
	252-104-2	01-2119450011-60
141-43-5	2-Aminoethanol	1 - < 5 %
	205-483-3	603-030-00-8
	01-2119486455-28	
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, STOT SE 3, Aquatic Chronic 3; H332 H312 H302 H314 H335 H412	
126-92-1	Sodium etasulfate	1 - < 5 %
	204-812-8	01-2119971586-23
	Skin Irrit. 2, Eye Dam. 1; H315 H318	

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	
34590-94-8	252-104-2	(2-Methoxymethylethoxy)propanol	10 - < 12.5 %
		inhalation: LC50 = 55 - 60 mg/l (vapours); dermal: LD50 = 9510 mg/kg; oral: LD50 = > 5000 mg/kg	
141-43-5	205-483-3	2-Aminoethanol	1 - < 5 %
		inhalation: LC50 = (1,3) mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = 1010 mg/kg; oral: LD50 = 1089 mg/kg STOT SE 3; H335: >= 5 - 100	
126-92-1	204-812-8	Sodium etasulfate	1 - < 5 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = 7570 mg/kg Eye Dam. 1; H318: >= 20 - 100 Eye Irrit. 2; H319: >= 10 - < 20	

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

< 5 % anionic surfactants, < 5 % non-ionic surfactants, < 5 % phosphonates, < 5 % phosphates, perfumes (Citral, Limonene).

SECTION 4: First aid measures

4.1. Description of first aid measures

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General information

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

After inhalation

Provide fresh air.

After contact with skin

Wash with plenty of water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

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: Irritating to skin. Irritating to 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, alcohol resistant foam, Dry extinguishing powder (ABC-powder, BC-powder), Carbon dioxide (CO₂).

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 (CO₂), Nitrogen oxides (NO_x), Sulphur oxides, Phosphorus oxides.

Fire fighting water forms corrosive alkaline solutions - slip hazard!

Heating causes rise in pressure with risk of bursting.

Special danger of slipping by leaking/spilling product.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

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 a self-contained breathing apparatus and chemical protective clothing. Remove persons to safety.

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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

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 ³	fibres/ml	Category	Origin
34590-94-8	(2-methoxymethylethoxy) propanol	50	308		TWA (8 h)	WEL
141-43-5	2-Aminoethanol	1	2.5		TWA (8 h)	WEL
		3	7.6		STEL (15 min)	WEL

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DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
34590-94-8	(2-Methoxymethylethoxy)propanol			
Worker DNEL, long-term		inhalation	systemic	308 mg/m ³
Worker DNEL, long-term		dermal	systemic	283 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	37,2 mg/m ³
Consumer DNEL, long-term		dermal	systemic	121 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	36 mg/kg bw/day
141-43-5	2-Aminoethanol			
Worker DNEL, long-term		inhalation	systemic	1 mg/m ³
Consumer DNEL, long-term		inhalation	systemic	0,18 mg/m ³
Worker DNEL, long-term		inhalation	local	0,51 mg/m ³
Worker DNEL, long-term		dermal	systemic	3 mg/kg bw/day
Consumer DNEL, long-term		inhalation	local	0,28 mg/m ³
Consumer DNEL, long-term		dermal	systemic	1,5 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	1,5 mg/kg bw/day
126-92-1	Sodium etasulfate			
Worker DNEL, long-term		inhalation	systemic	285 mg/m ³
Worker DNEL, long-term		dermal	systemic	4060 mg/kg bw/day
Worker DNEL, long-term		dermal	local	Mittlere Gefahr (kein Sch)
Worker DNEL, acute		dermal	local	Mittlere Gefahr (kein Sch)
Consumer DNEL, long-term		inhalation	systemic	85 mg/m ³
Consumer DNEL, long-term		dermal	systemic	2440 mg/kg bw/day
Consumer DNEL, long-term		dermal	local	Mittlere Gefahr (kein Sch)
Consumer DNEL, acute		dermal	local	Mittlere Gefahr (kein Sch)
Consumer DNEL, long-term		oral	systemic	24 mg/kg bw/day

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PNEC values

CAS No	Substance	Value
Environmental compartment		
34590-94-8	(2-Methoxymethylethoxy)propanol	
Freshwater		19 mg/l
Freshwater (intermittent releases)		190 mg/l
Marine water		1,9 mg/l
Freshwater sediment		70,2 mg/kg
Marine sediment		7,02 mg/kg
Micro-organisms in sewage treatment plants (STP)		4168 mg/l
Soil		2,74 mg/kg
141-43-5	2-Aminoethanol	
Freshwater		0,07 mg/l
Freshwater (intermittent releases)		0,028 mg/l
Marine water		0,007 mg/l
Freshwater sediment		0,357 mg/kg
Marine sediment		0,036 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		1,29 mg/kg
126-92-1	Sodium etasulfate	
Freshwater		0,136 mg/l
Freshwater (intermittent releases)		4,83 mg/l
Marine water		0,014 mg/l
Freshwater sediment		1,5 mg/kg
Marine sediment		0,15 mg/kg
Micro-organisms in sewage treatment plants (STP)		1,35 mg/l
Soil		0,22 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: Butyl caoutchouc (butyl rubber), Thickness of the glove material: 0,5 mm, Breakthrough time: 480 min; FKM (fluoro rubber), Thickness of the glove material: 0,7 mm, Breakthrough time: 480 min; NBR (Nitrile rubber), Thickness of the glove material: 0,4 mm, Breakthrough time: 120 min. Wear cotton undermitten

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if possible.

Unsuitable material: NR (natural rubber, Natural latex), CR (polychloroprene, chloroprene rubber), PVC (polyvinyl chloride).

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 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:	light green, clear	
Odour:	mild citrusy	
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:		> 100 °C
Auto-ignition temperature:		> 200 °C
Decomposition temperature:		not determined
pH-Value (at 20 °C):		11
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):		1,03 g/cm ³
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

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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.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

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) 21801,8 mg/kg; ATE (dermal) 20220,2 mg/kg; ATE (inhalation vapour) 220,22 mg/l; ATE (inhalation dust/mist) 30,030 mg/l

CAS No	Chemical name					
	Exposure route	Dose	Species	Source	Method	
34590-94-8	(2-Methoxymethylethoxy)propanol					
	oral	LD50 mg/kg	> 5000	Rat	Study report (1979)	OECD 401
	dermal	LD50 mg/kg	9510	Rabbit	Publication (1961)	OECD 402
	inhalation (4 h) vapour	LC50 mg/l	55 - 60	Rat		
141-43-5	2-Aminoethanol					
	oral	LD50 mg/kg	1089	Rat	Study report (1988)	OECD 401
	dermal	LD50 mg/kg	1010	Rabbit	GESTIS	
	inhalation vapour	LC50	(1,3) mg/l	Rat	Echa	6 h
	inhalation dust/mist	ATE	1,5 mg/l			
126-92-1	Sodium etasulfate					
	oral	LD50 mg/kg	7570	Rat	Study report (1978)	OECD 401
	dermal	LD50 mg/kg	> 2000	Rat	Study report (2012)	OECD 402

Irritation and corrosivity

Causes skin irritation.

Causes serious eye damage.

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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

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

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.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
34590-94-8	(2-Methoxymethylethoxy)propanol					
	Acute fish toxicity	LC50 > 1000 mg/l	96 h	Poecilia reticulata (Guppy)	Study report (1990)	OECD 203
	Acute algae toxicity	ErC50 > 969 mg/l	72 h	Pseudokirchneriella subcapitata	Study report (2001)	OECD 201
	Acute crustacea toxicity	EC50 1919 mg/l	48 h	Daphnia magna (Big water flea)	Study report (1979)	OECD 202
	Algae toxicity	NOEC 969 mg/l	3 d	Pseudokirchneriella subcapitata		
	Crustacea toxicity	NOEC >= 0,5 mg/l	22 d	Daphnia magna (Big water flea)	Study report (1995)	OECD 211
141-43-5	2-Aminoethanol					
	Acute fish toxicity	LC50 349 mg/l	96 h	Cyprinus carpio (Common Carp)	Study report (1997)	Regulation (EC) No. 440/2008, Annex C.1
	Acute algae toxicity	ErC50 2,8 mg/l	72 h	Pseudokirchneriella subcapitata	other company data (1997)	OECD 201
	Acute crustacea toxicity	EC50 65 mg/l	48 h	Daphnia magna (Big water flea)	Study report (1997)	Regulation (EC) No. 440/2008, Annex C.2
	Fish toxicity	NOEC (1,24) mg/l	41 d	Oryzias latipes (Ricefish)	other company data (2008)	OECD 210
	Algae toxicity	NOEC 1 mg/l	3 d	Aquatic Algae and Cyanobacteria	Echa	
	Crustacea toxicity	NOEC 0,85 mg/l	21 d	Daphnia magna (Big water flea)	other company data (1997)	OECD 202
126-92-1	Sodium etasulfate					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Danio rerio (zebrafish)	Study report (1993)	OECD 203
	Acute algae toxicity	ErC50 > 511 mg/l	72 h	Desmodesmus subspicatus	Study report (1995)	Regulation (EC) No. 440/2008, Annex C.3
	Acute crustacea toxicity	EC50 483 mg/l	48 h	Daphnia magna (Big water flea)	Study report (1995)	Regulation (EC) No. 440/2008, Annex C.2
	Fish toxicity	NOEC >= 1,357 mg/l	42 d	Pimephales promelas (fathead minnow)	Publication (1995)	
	Algae toxicity	NOEC 103 mg/l	3 d	Aquatic Algae and Cyanobacteria	Echa	
	Crustacea toxicity	NOEC 1,4 mg/l	21 d	Daphnia magna (Big water flea)	Study report (2012)	OECD 211
	Acute bacteria toxicity	(EC50 135 mg/l)	3 h	Activated sludge	Publication (1983)	OECD 209

12.2. Persistence and degradability

The product has not been tested.

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CAS No	Chemical name	Method	Value	d	Source
		Evaluation			
34590-94-8	(2-Methoxymethylethoxy)propanol				
	Biodegradation, OECD 301F, DOC reduction	96 %	28	Echa	
	Readily biodegradable (according to OECD criteria).				
	Biodegradation, OECD 301F, Carbon dioxide	76 %	28	Echa	
	Readily biodegradable (according to OECD criteria).				
	Biodegradation, OECD 301F, Oxygen	75 %	10	Echa	
	Readily biodegradable (according to OECD criteria).				
141-43-5	2-Aminoethanol				
	Biodegradation, OECD 301A	> 90 %	21	Safety data sheet of the supplier	
	Readily biodegradable (according to OECD criteria).				
126-92-1	Sodium etasulfate				
	Biodegradation, OECD 301B, CO ₂ formation (% of the theoretical value).	89 %	28		
	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
34590-94-8	(2-Methoxymethylethoxy)propanol	0,004
141-43-5	2-Aminoethanol	-2,3
126-92-1	Sodium etasulfate	-0,248

BCF

CAS No	Chemical name	BCF	Species	Source
141-43-5	2-Aminoethanol	2,5		calculated.

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

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

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.

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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

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

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

Clean container with water.

SECTION 14: Transport information

Land transport (ADR/RID)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	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

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Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

2010/75/EU (VOC):

approx. 15 % (approx. 155 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):

2 - obviously hazardous to water

15.2. Chemical safety assessment

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

2-Aminoethanol

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

Safety Data Sheet

according to UK REACH Regulation

ESD-Floor-Stripper

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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
Skin Irrit. 2; H315	Calculation method
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.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
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.

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