

# Safety Data Sheet

according to UK REACH Regulation

## Grundreinger A

Revision date: 15.03.2022

Product code:

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

#### 1.1. Product identifier

Grundreinger A

UFI: TJ40-00CA-500R-WEMY

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

##### Use of the substance/mixture

Cleaning agent, alkaline

##### Uses advised against

Any non-intended use.

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

##### Manufacturer

Company name:	Schaich Chemie und Bautenschutz GmbH	
Street:	Ficht 8	
Place:	D-94107 Untergriesbach	
Telephone:	+49(0)8593 93 96 207	Telefax: +49(0)8593 93 96 206
e-mail:	info@schaich-chemie.de	
Internet:	www.schaich-chemie.de	
Responsible Department:	+49 (0)8593 9396207 (8:00-16:00)	

##### Supplier

Company name:	Stein & Co. GmbH
Street:	Wirtschaftspark Straße 3/9
Place:	A-4482 Ennsdorf

**1.4. Emergency telephone number:** +49 (0)8593 9396207 (8:00-13:00)

### SECTION 2: Hazards identification

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

##### GB CLP Regulation

Met. Corr. 1; H290

Skin Corr. 1; H314

Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

#### 2.2. Label elements

##### GB CLP Regulation

##### Hazard components for labelling

sodium hydroxide; caustic soda

**Signal word:** Danger

##### Pictograms:



##### Hazard statements

H290

May be corrosive to metals.

H314

Causes severe skin burns and eye damage.

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**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/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3. Other hazards**

For information or further instructions, see also section 11 or 12.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

in aqueous solution

**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
1310-73-2	sodium hydroxide; caustic soda			7 - < 10 %
	215-185-5	011-002-00-6	01-2119457892-27	
	Met. Corr. 1, Skin Corr. 1A, Eye Dam. 1; H290 H314 H318			
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether			7 - < 10 %
	203-961-6	603-096-00-8	01-2119475104-44	
	Eye Irrit. 2; H319			
15763-76-5	Sodium -p-cumenesulfonate			1 - < 3 %
	239-854-6		01-2119489411-37	
	Eye Irrit. 2; 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		
1310-73-2	215-185-5	sodium hydroxide; caustic soda	7 - < 10 %
	Skin Corr. 1A; H314: >= 5 - 100 Skin Corr. 1B; H314: >= 2 - < 5 Skin Irrit. 2; H315: >= 0,5 - < 2 Eye Irrit. 2; H319: >= 0,5 - < 2		
112-34-5	203-961-6	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	7 - < 10 %
	dermal: LD50 = 2764 mg/kg; oral: LD50 = 2410 mg/kg		
15763-76-5	239-854-6	Sodium -p-cumenesulfonate	1 - < 3 %
	dermal: LD50 = >= 2000 mg/kg; oral: LD50 = >= 3346 mg/kg		

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

&lt; 5 % anionic surfactants, perfumes (Hexyl cinnamal, Limonene).

**Further Information**

Product does not contain listed SVHC substances &gt; 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH)

**SECTION 4: First aid measures**

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### 4.1. Description of first aid measures

#### General information

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

#### After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician. In the case of lung irritation: Primary treatment using corticoide spray, eg. Auxiloson spray, Pulmicort-dosage-spray. (Auxiloson and Pulmicort are registered trademarks).

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. In case of skin irritation, seek medical treatment.

#### After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

#### After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Observe risk of aspiration if vomiting occurs. Never give anything by mouth to an unconscious person or a person with cramps. When in doubt or if symptoms are observed, get medical advice.

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

If swallowed danger of perforation of the esophagus and the stomach (strong corrosive effects).

### 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

Sand. Foam. Carbon dioxide (CO<sub>2</sub>). Extinguishing powder. In case of major fire and large quantities: Water spray jet. Water mist.

#### Unsuitable extinguishing media

High power water jet

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

Can be released in case of fire: Gas/vapours, harmful. Carbon monoxide Carbon dioxide (CO<sub>2</sub>) Sulphur oxides

### 5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. In case of fire: Wear self-contained breathing apparatus.

#### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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

## SECTION 6: Accidental release measures

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

#### General advice

Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothes.

#### For non-emergency personnel

Wear personal protection equipment (refer to section 8).

#### For emergency responders

No special measures are necessary.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter into soil/subsoil.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Treat the recovered material as prescribed in the section on waste disposal.

**For cleaning up**

Clean contaminated objects and areas thoroughly observing environmental regulations.

**Other information**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Treat the recovered material as prescribed in the section on waste disposal.  
Clean contaminated objects and areas thoroughly observing environmental regulations.

**6.4. Reference to other sections**

Safe handling: see section 7

Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Wear suitable protective clothing. ( See section 8. )  
Conditions to avoid: aerosol or mist formation  
Avoid contact with skin, eyes and clothes.

**Advice on protection against fire and explosion**

Usual measures for fire prevention.

**Advice on general occupational hygiene**

The usual precautions for handling chemicals should be considered.  
Always close containers tightly after the removal of product. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Take off contaminated clothing and wash it before reuse.

**Further information on handling**

General protection and hygiene measures: See section 8.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place. Only use containers specifically approved for the substance/product.  
Make sure spills can be contained (e.g. sump pallets or kerbed areas).

**Hints on joint storage**

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Organic peroxides. Self-reactive substances and mixtures. Radioactive substances. Infectious substances.

**Further information on storage conditions**

Protect against: UV-radiation/sunlight., Heat, Frost, Humidity

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

See section 1.

**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
112-34-5	2-(2-Butoxyethoxy)ethanol	10	67.5		TWA (8 h)	WEL
		15	101.2		STEL (15 min)	WEL

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1310-73-2	Sodium hydroxide	-	2	STEL (15 min)	WEL
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## DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
1310-73-2	sodium hydroxide; caustic soda			
Worker DNEL, long-term		inhalation	local	1 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	local	1 mg/m <sup>3</sup>
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether			
Worker DNEL, long-term		inhalation	local	67,5 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	local	101,2 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	local	40,5 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation	local	60,7 mg/m <sup>3</sup>
Consumer DNEL, long-term		oral	systemic	5 mg/kg bw/day
Worker DNEL, long-term		dermal	systemic	83 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	40,5 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	50 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	67,5 mg/m <sup>3</sup>
15763-76-5	Sodium -p-cumenesulfonate			
Worker DNEL, long-term		inhalation	systemic	26,9 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	136,25 mg/kg bw/day
Worker DNEL, long-term		dermal	local	0,096 mg/cm <sup>2</sup>
Consumer DNEL, long-term		inhalation	systemic	6,6 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	68,1 mg/kg bw/day
Consumer DNEL, long-term		dermal	local	0,048 mg/cm <sup>2</sup>
Consumer DNEL, long-term		oral	systemic	3,8 mg/kg bw/day

## PNEC values

CAS No	Substance	Value
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	
Freshwater		1,1 mg/l
Freshwater (intermittent releases)		11 mg/l
Marine water		0,11 mg/l
Freshwater sediment		4,4 mg/kg
Marine sediment		0,44 mg/kg
Secondary poisoning		56 mg/kg
Micro-organisms in sewage treatment plants (STP)		200 mg/l
Soil		0,32 mg/kg
15763-76-5	Sodium -p-cumenesulfonate	
Freshwater		0,23 mg/l
Freshwater (intermittent releases)		2,3 mg/l
Marine water		0,023 mg/l

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Freshwater sediment	0,862 mg/kg
Marine sediment	0,086 mg/kg
Micro-organisms in sewage treatment plants (STP)	100 mg/l
Soil	0,037 mg/kg

**8.2. Exposure controls****Appropriate engineering controls**

Provide adequate ventilation as well as local exhaust at critical locations.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Suitable eye protection: Tightly sealed safety glasses. BS/EN 166

**Hand protection**

Wear suitable gloves. BS EN 374

Gloves with long cuffs

Suitable material: Butyl caoutchouc (butyl rubber)

Thickness of the glove material: 0,7 mm

Penetration time (maximum wearing period):  $\geq 480$  min

Before using check leak tightness / impermeability.

In the case of wanting to use the gloves again, clean them before taking off and air them well.

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**

Protective clothing., Protective apron, Rubber boots (alkali-resistant)

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

**Respiratory protection**

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

Exceeding exposure limit values

Insufficient ventilation

Suitable respiratory protective equipment: gas filtering equipment (EN 141). Type A

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

**Environmental exposure controls**

The product is an alkali. Before discharge into sewage plants the product normally needs to be neutralised.

This material and its container must be disposed of in a safe way.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	light yellow
Odour:	characteristic

**Changes in the physical state**

Melting point/freezing point: not determined

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Boiling point or initial boiling point and boiling range: not determined

Sublimation point: No information available.

Softening point: No information available.

Pour point: No information available.

Flash point: not determined

**Flammability**

Solid/liquid: No information available.

Gas: No information available.

**Explosive properties**

In use, may form flammable/explosive vapour-air mixture.

Lower explosion limits: not determined

Upper explosion limits: not determined

Auto-ignition temperature: not determined

**Self-ignition temperature**

Solid: No information available.

Gas: No information available.

Decomposition temperature: not determined

pH-Value (at 20 °C): 13

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Flow time: not determined

Water solubility: very soluble

**Solubility in other solvents**

No information available.

Partition coefficient n-octanol/water: No information available.

Vapour pressure:  
(at 20 °C) not determined

Vapour pressure:  
(at 50 °C) No information available.

Density (at 20 °C): not determined

Bulk density: No information available.

Relative vapour density: not determined

**9.2. Other information****Information with regard to physical hazard classes**

Sustaining combustion: No data available

Oxidizing properties  
none.

**Other safety characteristics**

Solvent separation test: No information available.

Solvent content: No information available.

Solid content: not determined

Evaporation rate: No information available.

**Further Information**

No information available.

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**SECTION 10: Stability and reactivity****10.1. Reactivity**

May be corrosive to metals.

**10.2. Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

Violent reaction with: Acid

**10.4. Conditions to avoid**

Protect against: UV-radiation/sunlight. heat. Moisture.

**10.5. Incompatible materials**

Materials to avoid: Substances which form flammable gases when in contact with water. Organic peroxides. Inflammatory substances. Alkali metals. Acid chlorides. Organic peroxides. Oxidizing agents. Acid

**10.6. Hazardous decomposition products**Can be released in case of fire: Gas/vapours, harmful. Carbon monoxide Carbon dioxide (CO<sub>2</sub>), Sulphur oxides**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in GB CLP Regulation****Toxicokinetics, metabolism and distribution**

No information available.

**Acute toxicity**

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

CAS No	Chemical name					
	Exposure route	Dose	Species	Source	Method	
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether					
	oral	LD50 mg/kg	2410	Mouse	ECHA Dossier	OECD Guideline 401
	dermal	LD50 mg/kg	2764	Rabbit	ECHA Dossier	OECD Guideline 402
15763-76-5	Sodium -p-cumenesulfonate					
	oral	LD50 mg/kg	>= 3346	Rat	Study report (1994)	EPA OTS 798.1175
	dermal	LD50 mg/kg	>= 2000	Rabbit	Study report (1994)	EPA OTS 798.1100

**Irritation and corrosivity**

Causes severe skin burns and eye damage.

Causes serious eye damage.

**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.



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**STOT-single exposure**

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

2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether (CAS No. 112-34-5):

Subchronic oral toxicity:

Exposure time: 90d

Species: Rat

Method: OECD Guideline 408

Result: NOAEL = 250 mg/kg bw/day

Subchronic inhalation toxicity:

Exposure time: 90d

Species: Rat

Method: OECD Guideline 413

Result: NOAEL = 14 ppm

Subchronic dermal toxicity:

Exposure time: 90d

Species: Rat

Method: OECD Guideline 411

Result: NOAEL = 2000 mg/kg bw/day

literature information: ECHA Dossier

dipentene; limonene (CAS No. 5989-27-5):

Subacute oral toxicity:

Exposure time: 28d

Species: Mouse

Method: OECD Guideline 407

Result: NOAEL = 1650 mg/kg bw/day

literature information: ECHA Dossier

**STOT-repeated exposure**

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

2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether (CAS No. 112-34-5):

In vitro mutagenicity/genotoxicity: No experimental indications of mutagenicity in-vitro exist.

Developmental toxicity/teratogenicity:

Exposure time: 21d

Species: Rat

Method: OECD Guideline 414

Result: NOAEL = 633 mg/kg bw/day

Literature information: ECHA Dossier

dipentene; limonene (CAS No. 5989-27-5):

In vitro mutagenicity/genotoxicity: No experimental indications of mutagenicity in-vitro exist.

Literature information: ECHA Dossier

**Aspiration hazard**

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

**11.2. Information on other hazards****Endocrine disrupting properties**

No information available.

**SECTION 12: Ecological information****12.1. Toxicity**

The product has not been tested.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
1310-73-2	sodium hydroxide; caustic soda					

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	Acute fish toxicity	LC50	125 mg/l	96 h	Gambusia affinis	ECHA dossier	
	Acute crustacea toxicity	EC50	40,4 mg/l	48 h	Ceriodaphnia spec	ECHA dossier	
	Acute bacteria toxicity	(EC50	22 mg/l)		Photobacterium phosphoreum	ECHA dossier	
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether						
	Acute fish toxicity	LC50	1300 mg/l	96 h	Lepomis macrochirus	J Haz Mat, 1, p303-18 (1977)	OECD Guideline 203
	Acute algae toxicity	ErC50	> 100 mg/l	96 h	Desmodesmus subspicatus	ECHA Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50	> 100 mg/l	48 h	Daphnia magna	ECHA Dossier	EU Method C.2
	Acute bacteria toxicity	(EC50	> 1995 mg/l)	0,5 h	activated sludge (OECD 209)	ECHA Dossier	
15763-76-5	Sodium -p-cumenesulfonate						
	Acute fish toxicity	LC50	>= 1580 mg/l	96 h	Oncorhynchus mykiss	Study report (1994)	EPA OTS 797.1400
	Acute algae toxicity	ErC50	>= 758 mg/l	96 h	Pseudokirchneriella subcapitata	Study report (1994)	EPA OTS 797.1050
	Acute crustacea toxicity	EC50	> 1020 mg/l	48 h	Daphnia magna	Study report (1994)	EPA OTS 797.1300

#### 12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name		Method	Value	d	Source
			Evaluation			
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether					
	OECD 301C / ISO 9408 / EEC 92/69 annex V, C.4-F			85 %	28	ECHA Dossier
	Easily biodegradable (concerning to the criteria of the OECD)					
15763-76-5	Sodium -p-cumenesulfonate					
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C			100%	28	ECHA Dossier
	Readily biodegradable (according to OECD criteria).					

#### 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	1
15763-76-5	Sodium -p-cumenesulfonate	-1,1

#### 12.4. Mobility in soil

No information available.

#### 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 aforementioned statement applies to substances contained in the product with a minimum content of 0.1 %.

#### 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.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1 %.

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**12.7. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Dispose of waste according to applicable legislation. Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

**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**

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 - 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**

Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information****Land transport (ADR/RID)**

**14.1. UN number or ID number:** UN 1824  
**14.2. UN proper shipping name:** SODIUM HYDROXIDE SOLUTION  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** II  
 Hazard label: 8



Classification code: C5  
 Limited quantity: 1 L  
 Excepted quantity: E2  
 Transport category: 2  
 Hazard No: 80  
 Tunnel restriction code: E

**Inland waterways transport (ADN)**

**14.1. UN number or ID number:** UN 1824  
**14.2. UN proper shipping name:** SODIUM HYDROXIDE SOLUTION  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** II  
 Hazard label: 8

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Classification code: C5  
 Limited quantity: 1 L  
 Excepted quantity: E2

**Marine transport (IMDG)**

**14.1. UN number or ID number:** UN 1824  
**14.2. UN proper shipping name:** SODIUM HYDROXIDE, SOLUTION  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** II  
 Hazard label: 8



Marine pollutant: NO  
 Special Provisions: -  
 Limited quantity: 1 L  
 Excepted quantity: E2  
 EmS: F-A, S-B

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

**14.1. UN number or ID number:** UN 1824  
**14.2. UN proper shipping name:** SODIUM HYDROXIDE, SOLUTION  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** II  
 Hazard label: 8



Special Provisions: A3 A803  
 Limited quantity Passenger: 0.5 L  
 Passenger LQ: Y840  
 Excepted quantity: E2  
 IATA-packing instructions - Passenger: 851  
 IATA-max. quantity - Passenger: 1 L  
 IATA-packing instructions - Cargo: 855  
 IATA-max. quantity - Cargo: 30 L

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

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

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

not relevant

**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 55, Entry 75

2010/75/EU (VOC):

No information available.

2004/42/EC (VOC):

No information available.

Information according to 2012/18/EU  
(SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

**Additional information**

Safety Data Sheet according to UK-REACH Regulation

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

UK REACH Appendix XVII, No (mixture): 3

REACH 1907/2006 Appendix XVII, No: 3, 55 (2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether: 1.

Shall not be placed on the market for the first time after 27 June 2010, for supply to the general public, as a constituent of spray paints or spray cleaners in aerosol dispensers in concentrations equal to or greater than 3 % by weight. 2. Spray paints and spray cleaners in aerosol dispensers containing DEGBE and not conforming to paragraph 1 shall not be placed on the market for supply to the general public after 27 December 2010. 3.

Without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that paints other than spray paints containing DEGBE in concentrations equal to or greater than 3 % by weight of that are placed on the market for supply to the general public are visibly, legibly and indelibly marked by 27. December 2010 as follows: 'Do not use in paint spraying equipment' . )

**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

**15.2. Chemical safety assessment**

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

**SECTION 16: Other information****Changes**

Rev. 1,0; Initial release: 06.10.2015

Rev. 2,0; Revision: 22.07.2019

Rev. 3,0; Revision: 15.03.2022

**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)

CAS: Chemical Abstracts Service

CLP: Classification, Labelling and Packaging of substances and mixtures

DNEL: Derived No Effect Level

d: day(s)

EINECS: European INventory of Existing Commercial chemical Substances

ELINCS: European List of Notified Chemical Substances

ECHA: European Chemicals Agency

EWC: European Waste Catalogue

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

h: hour

**Safety Data Sheet**

according to UK REACH Regulation

**Grundreinger A**

Revision date: 15.03.2022

Product code:

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LOAEL: Lowest observed adverse effect level  
 LOAEC: Lowest observed adverse effect concentration  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 NOAEL: No observed adverse effect level  
 NOAEC: No observed adverse effect concentration  
 NLP: No-Longer Polymers  
 N/A: not applicable  
 OECD: Organisation for Economic Co-operation and Development  
 PNEC: predicted no effect concentration  
 PBT: Persistent bioaccumulative toxic  
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )  
 REACH: Registration, Evaluation, Authorisation of Chemicals  
 SVHC: substance of very high concern  
 TRGS: Technische Regeln für Gefahrstoffe  
 UN: United Nations  
 VOC: Volatile Organic Compounds

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

Classification	Classification procedure
Met. Corr. 1; H290	On basis of test data
Skin Corr. 1; H314	On basis of test data
Eye Dam. 1; H318	On basis of test data

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

H290 May be corrosive to metals.  
 H314 Causes severe skin burns and eye damage.  
 H318 Causes serious eye damage.  
 H319 Causes serious eye irritation.

**Further Information**

Classification according to GHS [UK CLP] - Classification procedure:  
 Health hazards: Calculation method.  
 Environmental hazards: Calculation method.  
 Physical hazards: On basis of test data and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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