

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### KPC 820(E)

Revision date: 30.10.2023

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

### 1.1. Product identifier

KPC 820(E)

UFI: G59X-VQM6-X3DX-WECN

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

#### Use of the substance/mixture

Water-based metal cleaner. Non flammable.

#### Uses advised against

No data available

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

Company name:	Chesterton International GmbH	
Street:	Am Lenzenfleck 23	
Place:	D-85737 Ismaning GERMANY	
Telephone:	+49 89 99 65 46 - 0	Telefax: +49 89 99 65 46 - 50
E-mail:	eu-sds@chesterton.com	
Contact person:	eu-sds@chesterton.com	Telephone: +49 89 99 65 46 - 0
E-mail:	eu-sds@chesterton.com	
Internet:	www.chesterton.com	
Responsible Department:	eu-sds@chesterton.com	

### 1.4. Emergency telephone number:

+49(0) 551 - 1 92 40 (GIZ-Nord, 24h)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

Skin Irrit. 2; H315

Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

#### Regulation (EC) No 1272/2008

#### Hazard components for labelling

Alcohol Ethoxylate

D-Glucopyranose, oligomers, decyl octyl glycosides

2-aminoethanol; ethanolamine

Sodium octyl sulphate

**Signal word:** Danger

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#### Pictograms:



#### Hazard statements

- H315 Causes skin irritation.  
H318 Causes serious eye damage.

#### Precautionary statements

- P264 Wash hands thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
P302+P352 IF ON SKIN: Wash with plenty of soap and 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.  
P310 Immediately call a POISON CENTER/doctor.

#### 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	
	Classification (Regulation (EC) No 1272/2008)			
34398-01-1	Alcohol Ethoxylate			2 - 5 %
	Eye Dam. 1; H318			
533-96-0	Trisodium hydrogencarbonate			2 - 5 %
	208-580-9		01-2119494264-33	
	Eye Irrit. 2; H319			
68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides			1,5 - 5 %
	500-220-1		01-2119488530-36	
	Eye Dam. 1; H318			
141-43-5	2-aminoethanol; ethanolamine			1 - 2,5 %
	205-483-3	603-030-00-8	01-2119486455-28	
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B; H332 H312 H302 H314			
142-31-4	Sodium octyl sulphate			0,5 - 2 %
	205-535-5		01-2119966154-35	
	Flam. Sol. 1, Skin Irrit. 2, Eye Dam. 1, STOT SE 3; H228 H315 H318 H335			

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	
533-96-0	208-580-9	Trisodium hydrogencarbonate	2 - 5 %
		oral: LD50 = > 4000 mg/kg	
68515-73-1	500-220-1	D-Glucopyranose, oligomers, decyl octyl glycosides	1,5 - 5 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg	
141-43-5	205-483-3	2-aminoethanol; ethanolamine	1 - 2,5 %
		inhalation: LC50 = >1,48 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = 2504 mg/kg; oral: LD50 = 1089 mg/kg STOT SE 3; H335: >= 5 - 100	
142-31-4	205-535-5	Sodium octyl sulphate	0,5 - 2 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg	

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

5 % - < 15 % non-ionic surfactants, < 5 % anionic surfactants.

#### Further Information

No information available.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

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#### General information

Remove affected person from the danger area and lay down. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### After inhalation

Remove casualty to fresh air and keep warm and at rest. Call a doctor. If breathing is irregular or stopped, administer artificial respiration. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. In case of skin irritation, consult a physician.

#### 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.

#### After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

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

Causes serious eye irritation.

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

First Aid, decontamination, treatment of symptoms.

### SECTION 5: Firefighting measures

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

##### Suitable extinguishing media

- Dry extinguishing powder.
- Carbon dioxide (CO<sub>2</sub>).
- alcohol resistant foam.
- Water spray jet

##### Unsuitable extinguishing media

- Full water jet

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

In case of fire may be liberated:

- Carbon monoxide
- Carbon dioxide
- Nitrogen oxides (NO<sub>x</sub>)

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

Special protective equipment for firefighters Protective clothing.

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.

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

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

##### **General advice**

- Remove persons to safety.
- Provide adequate ventilation.
- Avoid contact with skin, eyes and clothes.
- Safe handling: see section 7
- Personal protection equipment: see section 8

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

- Do not allow to enter into surface water or drains. Cover drains.

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

##### **For containment**

- 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.

#### **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**

- Take off immediately all contaminated clothing and wash it before reuse.
- Personal protection equipment: see section 8

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

- No special measures are necessary.

##### **Advice on general occupational hygiene**

- Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing immediately. When using do not eat, drink, smoke, sniff. Wash hands and face before breaks and after work and take a shower if necessary.

##### **Further information on handling**

- Wash hands before breaks and after work. Only wear fitting, comfortable and clean protective clothing. Used working clothes should not be worn outside the work area. Street clothing should be stored separately from work clothing.

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

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

- Store in a cool dry place. Keep container tightly closed.
- Keep/Store only in original container.
- Protect from direct sunlight.
- Protect against: Frost

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#### Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

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

No information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

CAS No	Substance	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
141-43-5	2-Aminoethanol	1	2.5		TWA (8 h)	
		3	7.6		STEL (15 min)	

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#### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides			
Worker DNEL, long-term		inhalation	systemic	420 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	595000 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	124 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	357000 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	35,7 mg/kg bw/day
141-43-5	2-aminoethanol; ethanolamine			
Worker DNEL, long-term		inhalation	local	0,51 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	local	0,28 mg/m <sup>3</sup>
Consumer DNEL, long-term		oral	systemic	1,5 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	1,5 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,18 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	3 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	1 mg/m <sup>3</sup>
142-31-4	Sodium octyl sulphate			
Worker DNEL, long-term		inhalation	systemic	285 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	4060 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	85 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	2440 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	24 mg/kg bw/day

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#### PNEC values

CAS No	Substance	Value
Environmental compartment		Value
533-96-0	Trisodium hydrogencarbonate	
Freshwater		100 mg/l
Freshwater (intermittent releases)		100 mg/l
Marine water		100 mg/l
Freshwater sediment		100 mg/kg
Marine sediment		100 mg/kg
Secondary poisoning		100 mg/kg
Micro-organisms in sewage treatment plants (STP)		1000 mg/l
Soil		100 mg/kg
68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides	
Freshwater		0,176 mg/l
Freshwater (intermittent releases)		0,27 mg/l
Marine water		0,018 mg/l
Freshwater sediment		1,516 mg/kg
Marine sediment		0,152 mg/kg
Secondary poisoning		111,11 mg/kg
Micro-organisms in sewage treatment plants (STP)		560 mg/l
Soil		0,654 mg/kg
141-43-5	2-aminoethanol; ethanolamine	
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
142-31-4	Sodium octyl sulphate	
Freshwater		0,136 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



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Soil	0,22 mg/kg
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#### **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:

- Eye glasses with side protection
- goggles

##### **Hand protection**

Tested protective gloves must be worn: EN ISO 374

NBR (Nitrile rubber),

Wearing time with permanent contact: Thickness of the glove material:  $\geq 0,4$  mm, Breakthrough time:  $>480$  min

Wearing time with occasional contact (splashes): Thickness of the glove material:  $\geq 0,1$  mm, Breakthrough time:  $> 30$  min

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.

Breakthrough times and swelling properties of the material must be taken into consideration.

##### **Skin protection**

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

Protective clothing, Rubber boots, Apron

##### **Respiratory protection**

Usually no personal respirative protection necessary.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Filtering device (full mask or mouthpiece) with filter: A-P2

##### **Thermal hazards**

No data available

##### **Environmental exposure controls**

No special measures are necessary.

### SECTION 9: Physical and chemical properties

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

Physical state:	Liquid
Colour:	green
Odour:	like: Lemon

Melting point/freezing point:

**Test method**  
No data available

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Boiling point or initial boiling point and boiling range:	100 °C
Flammability	
Solid/liquid:	No data available
Lower explosion limits:	No data available
Upper explosion limits:	No data available
Flash point:	not applicable
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH-Value:	10
Water solubility:	completely miscible
Solubility in other solvents	
No information available.	
Partition coefficient n-octanol/water:	>1
Vapour pressure:	No data available
(at 20 °C)	
Density (at 20 °C):	1,06 g/cm <sup>3</sup>
Relative vapour density:	>1 (air = 1)

#### 9.2. Other information

##### Information with regard to physical hazard classes

Explosive properties

not explosive according to EU A.14

Self-ignition temperature

Solid:

No data available

Gas:

No data available

Oxidizing properties

No information available.

##### Other safety characteristics

Evaporation rate:

<1 (Ether = 1)

Sublimation point:

No data available

Softening point:

No data available

Pour point:

No data available

Viscosity / dynamic:

5 mPa·s

(at 25 °C)

##### Further Information

No information available.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

#### 10.2. Chemical stability

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

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

This material is considered to be non-reactive under normal use conditions.

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

No information available.

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

- Oxidising agent, strong;
- Aluminium;
- Zinc

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

- Nitrogen oxides (NO<sub>x</sub>),
- Carbon dioxide (CO<sub>2</sub>),
- Carbon monoxide

### **SECTION 11: Toxicological information**

#### **11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

##### **Acute toxicity**

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

##### **ATEmix calculated**

ATE (oral) 73087 mg/kg; ATE (dermal) 73826 mg/kg; ATE (inhalation vapour) 738,3 mg/l; ATE (inhalation dust/mist) 100,7 mg/l

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
533-96-0	Trisodium hydrogencarbonate				
	oral	LD50 > 4000 mg/kg	Rat	Study report (1993)	other: EPA-FIFRA 40 CFR 160
68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides				
	oral	LD50 > 2000 mg/kg	Rat	Study report (2004)	OECD Guideline 423
	dermal	LD50 > 2000 mg/kg	Rabbit	Study report (1987)	OECD Guideline 402
141-43-5	2-aminoethanol; ethanolamine				
	oral	LD50 1089 mg/kg	Rat	Study report (1988)	OECD Guideline 401
	dermal	LD50 2504 mg/kg	Rabbit	Study report (1988)	OECD Guideline 402
	inhalation (4 h) vapour	LC50 >1,48 mg/l	Rat		
	inhalation dust/mist	ATE 1,5 mg/l			
142-31-4	Sodium octyl sulphate				
	oral	LD50 > 2000 mg/kg	Rat	Study report (2012)	OECD Guideline 423
	dermal	LD50 > 2000 mg/kg	Rat	Study report (2012)	OECD Guideline 402

#### Irritation and corrosivity

Causes skin irritation.

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.

#### 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

No data available

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### **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
533-96-0	Trisodium hydrogencarbonate					
	Acute fish toxicity	LC50 mg/l	7100	96 h	Lepomis macrochirus	Study report (1993) EPA OPP 72-1
	Acute crustacea toxicity	EC50 mg/l	4100	48 h	Daphnia magna	Study report (1993) EPA OPP 72-2
	Crustacea toxicity	NOEC mg/l	> 576	21 d	Daphnia magna	Hydrobiologia no. 108, p25-31 (1984) METHOD FOLLOWED: Chronic, 3 week limit-t
68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides					
	Acute fish toxicity	LC50 mg/l	100,81	96 h	Danio rerio	Study report (1993) ISO 7346/1-3
	Acute algae toxicity	ErC50 mg/l	27,22	72 h	Desmodesmus subspicatus	Study report (1994) other: DIN 38412, part 9
	Acute crustacea toxicity	EC50 mg/l	> 100	48 h	Daphnia magna	Study report (1992) OECD Guideline 202
	Fish toxicity	NOEC	1,8 mg/l	28 d	Danio rerio	Study report (1995) OECD Guideline 204
	Crustacea toxicity	NOEC	2 mg/l	21 d	Daphnia magna	Study report (1995) other: OECD Guideline 202 Part II
141-43-5	2-aminoethanol; ethanolamine					
	Acute fish toxicity	LC50	349 mg/l	96 h	Cyprinus carpio	Study report (1997) other: Directive 92/69/EEC, C.1.
	Acute algae toxicity	ErC50	2,8 mg/l	72 h	Raphidocelis subcapitata	unpublished (1997) OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l	27,04	48 h	Daphnia magna	Study report (2012) OECD Guideline 202
	Fish toxicity	NOEC mg/l	1,24	41 d	Oryzias latipes	unpublished (2008) OECD Guideline 210
	Crustacea toxicity	NOEC mg/l	0,85	21 d	Daphnia magna	unpublished (1997) other: OECD 202 "Daphnia sp., Acute Immo
142-31-4	Sodium octyl sulphate					
	Acute fish toxicity	LC50 mg/l	> 100	96 h	Danio rerio	Study report (1993) OECD Guideline 203
	Acute algae toxicity	ErC50 mg/l	> 511	72 h	Desmodesmus subspicatus	Study report (1995) EU Method C.3
	Acute crustacea toxicity	EC50 mg/l	> 100	48 h	Daphnia magna	Study report (1993) OECD Guideline 202

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	Fish toxicity	NOEC mg/l	>= 1,357	42 d	Pimephales promelas	Bulletin of Environmental Contamination	42 day exposure of fish in aquaria provi
	Crustacea toxicity	NOEC	1,4 mg/l	21 d	Daphnia magna	Study report (2012)	OECD Guideline 211
	Acute bacteria toxicity	(EC50 mg/l)	135	3 h	Activated sludge	Water Research 17(10): 1363-1368 (1983)	OECD Guideline 209

#### **12.2. Persistence and degradability**

No information available.

#### **12.3. Bioaccumulative potential**

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

CAS No	Chemical name	Log Pow
68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides	1,72
141-43-5	2-aminoethanol; ethanolamine	-2,3
142-31-4	Sodium octyl sulphate	0

##### **BCF**

CAS No	Chemical name	BCF	Species	Source
141-43-5	2-aminoethanol; ethanolamine	2,5		SAR and QSAR in Envi

#### **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 REACH, annex XIII.

#### **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.

### SECTION 13: Disposal considerations

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

##### **Disposal recommendations**

Dispose of waste according to applicable legislation.

##### **Contaminated packaging**

Non-contaminated packages may be recycled. Packing which cannot be properly cleaned must be disposed of. Dispose of waste according to applicable legislation.

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### 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

No information available.

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

No information available.

### 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 40

##### National regulatory information

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

#### 15.2. Chemical safety assessment

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

Trisodium hydrogencarbonate



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D-Glucopyranose, oligomers, decyl octyl glycosides  
2-aminoethanol; ethanolamine  
Sodium octyl sulphate

### SECTION 16: Other information

#### 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)  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer  
(Regulations Concerning the International Transport of Dangerous Goods by Rail)  
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)  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures,  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
EC50: Effectice concentration, 50 percent  
DNEL: Derived No Effect Level  
PNEC: Predicted No Effect Concentration  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

#### Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Dam. 1; H318	Calculation method

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

H228	Flammable solid.
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.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

#### Further Information

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

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

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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.)*