

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

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## Ultra Cleaner 6kg

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

#### 1.1. Product identifier

Trade name/designation:

Ultra Cleaner 6kg

Article No.:

T502106

UFI:

QKUV-SHHG-VY57-VYP9

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

No data available

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

Supplier:

**KANDO Service GmbH**

Hartleitnerstraße 3

4653 Eberstalzell

Austria

Telephone: +43 (0) 7241 213 79

E-mail: msds@kando.eu

#### 1.4. Emergency telephone number

Vergiftungsinformationszentrale (VIZ), Stubenring 6, 1010 Wien, 24h: 01 406 43 43, Montag - Freitag: 8 bis 16 Uhr, Tel.: 01 406 68 98 (keine medizinische Auskunft) (Only available during office hours.)

### SECTION 2: Hazards identification

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

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Reproductive toxicity ( <i>Repr. 2</i> )	H361d: Suspected of damaging the unborn child. ( )	
Skin corrosion/irritation ( <i>Skin Corr. 1A</i> )	H314: Causes severe skin burns and eye damage.	
Serious eye damage/eye irritation ( <i>Eye Dam. 1</i> )	H318: Causes serious eye damage.	

#### Additional information:

Zusätzliche Informationen über die Risiken für die Gesundheit und/oder die Umwelt sind in den Abschnitten 11 und 12 dieses Sicherheitsdatenblatts enthalten.

#### 2.2. Label elements

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

Hazard pictograms:



**GHS05**

Corrosion



**GHS08**

Health hazard

Signal word: Danger

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### Hazard components for labelling:

Diethylenetriaminepentaaceticacid pentasodium salt; Tripotassium phosphate; potassium hydroxide; Silicic acid, potassium salt

#### Hazard statements for health hazards

H314	Causes severe skin burns and eye damage.
H361d	Suspected of damaging the unborn child. ( )

### Supplemental hazard information: none

#### Precautionary statements Prevention

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing and eye protection/face protection.

#### Precautionary statements Response

P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
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 or doctor/physician.

### Special rules for supplemental label elements for certain mixtures:

Contains: Diethylenetriaminepentaaceticacid pentasodium salt, Potassium hydroxide, Sodium hydroxide, Tripotassium phosphate

### Additional information:

Ingredients according to Regulation (EC) No. 648/2004:

<5%: amphoteric surfactants, non-ionic surfactants

≥5<15%: phosphates

## 2.3. Other hazards

### Other adverse effects:

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 7778-53-2 EC No.: 231-907-1	<b>Tripotassium phosphate</b> Eye Dam. 1 (H318), STOT SE 3 (H335) Danger	≥ 5 - < 9 %
CAS No.: 140-01-2 EC No.: 205-391-3 REACH No.: 01-2119474445-33-XXXX	<b>Diethylenetriaminepentaaceticacid pentasodium salt</b> Acute Tox. 4 (H332), Repr. 2 (H361d), STOT RE 2 (H373) Warning	≥ 5 - < 9 %
CAS No.: 15763-76-5 EC No.: 239-854-6 REACH No.: 01-2119489411-37-XXXX	<b>Sodium cumenesulfonate</b> Eye Irrit. 2 (H319) Warning	≥ 5 - < 9 %
CAS No.: 1312-76-1 EC No.: 215-199-1 REACH No.: 01-2119456888-17-XXXX	<b>Silicic acid, potassium salt</b> Eye Irrit. 2 (H319), STOT SE 3 (H335), Skin Irrit. 2 (H315) Warning	≥ 1 - < 5 %

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Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 1310-58-3 EC No.: 215-181-3 Index No.: 019-002-00-8 REACH No.: 01-2119487136-33-XXXX	<b>potassium hydroxide</b> Acute Tox. 4 (H302), Eye Dam. 1 (H318), Eye Irrit. 2 (H319), Met. Corr. 1 (H290), Skin Corr. 1A (H314), Skin Corr. 1 (H314), Skin Irrit. 2 (H315) ⚠️ Danger <b>Specific concentration limit (SCL)</b> Skin Corr. 1; H314: C ≥ 2% Skin Irrit. 2; H315: C ≥ 0.5% Eye Dam. 1; H318: C ≥ 2% Eye Irrit. 2; H319: C ≥ 0.5%	≥ 0 - < 2 %
CAS No.: 1310-73-2 EC No.: 215-185-5 Index No.: 011-002-00-6 REACH No.: 01-2119457892-27-XXXX	<b>sodium hydroxide</b> Eye Dam. 1 (H318), Eye Irrit. 2 (H319), Met. Corr. 1 (H290), Skin Corr. 1A (H314), Skin Corr. 1B (H314), Skin Irrit. 2 (H315) ⚠️ Danger <b>Specific concentration limit (SCL)</b> Skin Corr. 1B; H314: C ≥ 2% Skin Irrit. 2; H315: C ≥ 0.5% Eye Irrit. 2; H319: C ≥ 0.5%	≥ 0.2 - < 0.25 %

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Following inhalation:

Call a physician immediately. Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Take suitable precautions for rescue workers.

#### In case of skin contact:

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Get immediate medical advice/attention.

#### After eye contact:

Any contact lenses must be removed. One must immediately and extensively wash with water for at least 30 / 60 minutes, opening the eyelids well. Call a physician in any case!

#### Following ingestion:

The subject should drink as much water as possible. A doctor must be consulted immediately. Do not induce vomiting unless explicitly authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.

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

No data available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media:

Carbon dioxide (CO<sub>2</sub>), Foam, Powder, Spray water

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

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

#### Hazardous combustion products:

In case of fire: Gases/vapours, toxic

### 5.3. Advice for firefighters

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

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SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS: Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

**Personal precautions:**

Block the leakage if there is no hazard.

**Protective equipment:**

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

#### 6.1.2. For emergency responders

No data available

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

**For containment:**

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Protective measures**

**Advices on safe handling:**

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

**Environmental precautions:**

Avoid release to the environment.

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

**Technical measures and storage conditions:**

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

**Storage class (TRGS 510, Germany):** 10 - Combustible liquids that cannot be assigned to any of the above storage classes

### 7.3. Specific end use(s)

**Recommendation:**

Further information: see exposure scenarios attached to this safety data sheet.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
MAK (AT)	<b>potassium hydroxide</b> CAS No.: 1310-58-3 EC No.: 215-181-3	① 2 mg/m <sup>3</sup> ⑤ (einatembare Fraktion)
MAK (AT)	<b>sodium hydroxide</b> CAS No.: 1310-73-2 EC No.: 215-185-5	② 4 mg/m <sup>3</sup> ⑤ (einatembare Fraktion max. 8x5 min./Schicht, Momentanwert)
MAK (AT)	<b>sodium hydroxide</b> CAS No.: 1310-73-2 EC No.: 215-185-5	① 2 mg/m <sup>3</sup> ⑤ (einatembare Fraktion)

##### 8.1.2. Biological limit values

No data available

##### 8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
<b>Sodium cumenesulfonate</b> CAS No.: 15763-76-5 EC No.: 239-854-6	53.6 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
<b>Sodium cumenesulfonate</b> CAS No.: 15763-76-5 EC No.: 239-854-6	13.2 mg/m <sup>3</sup>	① DNEL Consumer ② Long-term - inhalation, systemic effects
<b>Sodium cumenesulfonate</b> CAS No.: 15763-76-5 EC No.: 239-854-6	7.6 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
<b>Sodium cumenesulfonate</b> CAS No.: 15763-76-5 EC No.: 239-854-6	3.8 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
<b>Sodium cumenesulfonate</b> CAS No.: 15763-76-5 EC No.: 239-854-6	3.8 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects
<b>potassium hydroxide</b> CAS No.: 1310-58-3 EC No.: 215-181-3	1 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, systemic effects
<b>potassium hydroxide</b> CAS No.: 1310-58-3 EC No.: 215-181-3	1 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, local effects
<b>sodium hydroxide</b> CAS No.: 1310-73-2 EC No.: 215-185-5	1 mg/m <sup>3</sup>	① DNEL worker ② Long-term - inhalation, local effects
<b>sodium hydroxide</b> CAS No.: 1310-73-2 EC No.: 215-185-5	1 mg/m <sup>3</sup>	① DNEL Consumer ② Long-term - inhalation, local effects
Substance name	PNEC Value	① PNEC type
<b>Sodium cumenesulfonate</b> CAS No.: 15763-76-5 EC No.: 239-854-6	100 mg/L	① PNEC sewage treatment plant

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### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Technical measures and the use of appropriate work procedures take precedence over the use of personal protective equipment. Ensure good ventilation/extraction at the workplace. When choosing personal protective equipment, ask your chemical substance supplier for advice. Personal protective equipment must be CE marked, showing that it complies with applicable standards. When choosing risk management measures and operating conditions, consult the exposure scenarios attached. Provide an emergency shower with face and eye wash station.

#### 8.2.2. Personal protection equipment

##### Eye/face protection:

The use of full-head shields or protective shields in combination with penetration-proof goggles is recommended (ref. standard EN 166).EN 166

##### Skin protection:

Hand protection: Tested protective gloves must be worn EN ISO 374. The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability. The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

Skin protection: Work clothing with long sleeves and category III accident protection footwear must be worn (see Regulation 2016/425 and standard EN ISO 20344). After taking off the protective clothing, one must wash with soap and water.

##### Respiratory protection:

If the threshold value (e.g. TLV-TWA) of the substance or one or more substances contained in the product is exceeded, it is advisable to wear a mask with a type A filter, the class of which (1, 2 or 3) should be selected according to the highest concentration used. (Ref. standard EN 14387). In the presence of gases or vapours of a different nature and/or gases or vapours containing particles (aerosol, smoke, mist, etc.), use combined filters. When workers are exposed to concentrations exceeding the exposure limits, they must wear appropriate and approved respiratory protective equipment. The protection provided by masks is in any case limited. If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

#### 8.2.3. Environmental exposure controls

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards. For information on controlling environmental exposure, see the exposure scenarios attached to this safety datasheet.

## SECTION 9: Physical and chemical properties

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

#### Appearance

Physical state: Liquid

Colour: yellow

Odour: not determined

#### Safety relevant basis data

Parameter	Value	① Method ② Remark
pH	12	
Melting point	No data available	
Freezing point	No data available	
Initial boiling point and boiling range	No data available	
Flash point	No data available	
Evaporation rate	No data available	
Auto-ignition temperature	No data available	

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Parameter	Value	① Method ② Remark
Upper/lower flammability or explosive limits	No data available	
Vapour pressure	No data available	
Vapour density	No data available	
Density	No data available	
Relative density	1.2	
Bulk density	not applicable	
Water solubility	very soluble	
Dynamic viscosity	No data available	
Kinematic viscosity	No data available	

### 9.2. Other information

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

##### Flammable liquids:

Does not maintain combustion

#### 9.2.2. Other safety characteristics

VOC (Directive 2010/75/EU): 6,00 % - 72,00 g/L

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No special reaction hazards with other substances under normal conditions of use.

### 10.2. Chemical stability

The product is stable in normal conditions of use and storage.

### 10.3. Possibility of hazardous reactions

Under normal conditions of use and storage, no hazardous reactions are foreseen.

### 10.4. Conditions to avoid

None in particular. However, the usual caution with chemical products must be observed.

### 10.5. Incompatible materials

No data available

### 10.6. Hazardous decomposition products

No data available

## SECTION 11: Toxicological information

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

<b>Diethylenetriaminepentaaceticacid pentasodium salt</b> CAS No.: 140-01-2 EC No.: 205-391-3
<b>LD<sub>50</sub> oral:</b> >2,000 mg/kg (Rat)
<b>LD<sub>50</sub> dermal:</b> >2,000 mg/kg (Rabbit)
<b>Sodium cumenesulfonate</b> CAS No.: 15763-76-5 EC No.: 239-854-6
<b>LD<sub>50</sub> oral:</b> >7,000 mg/kg (Rat) OECD 401
<b>LD<sub>50</sub> dermal:</b> >2,000 mg/kg (Kaninchen)
<b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> >20 mg/L (Rat)
<b>LC<sub>50</sub> Acute inhalation toxicity (dust/mist):</b> >5 mg/L (Rat)
<b>Silicic acid, potassium salt</b> CAS No.: 1312-76-1 EC No.: 215-199-1
<b>LD<sub>50</sub> oral:</b> >5,000 mg/kg (Rat)
<b>LD<sub>50</sub> dermal:</b> >5,000 mg/kg (Rat)
<b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> >2.06 mg/L 4 h (Rat)
<b>potassium hydroxide</b> CAS No.: 1310-58-3 EC No.: 215-181-3
<b>LD<sub>50</sub> oral:</b> 333 mg/kg (Rat)

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**sodium hydroxide** CAS No.: 1310-73-2 EC No.: 215-185-5

**LD<sub>50</sub> oral:** >7,000 mg/kg (Rat)

**LD<sub>50</sub> dermal:** >2,000 mg/kg (Ratte)

**LC<sub>50</sub> Acute inhalation toxicity (vapour):** >6,410 mg/L 4 h (Rat)

**LC<sub>50</sub> Acute inhalation toxicity (dust/mist):** >5 mg/L

### Acute oral toxicity:

>2000 mg/kg

### Acute dermal toxicity:

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

### Skin corrosion/irritation:

Causes skin burns.

### Serious eye damage/irritation:

Causes serious eye damage.

### Respiratory or skin sensitisation:

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

### Germ cell mutagenicity:

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

### Carcinogenicity:

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

### Reproductive toxicity:

Suspected of damaging the unborn child.

### 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.

### Additional information:

Information on probable routes of exposure: calcium hydroxide - If ingested it causes severe corrosion of the oral cavity and pharynx with risk of perforation of the esophagus and stomach.

## 11.2. Information on other hazards

### Endocrine disrupting properties:

According to the available data, the product does not contain any substances included in the main European lists of potential or suspected endocrine disruptors with effects on human health to be assessed.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Diethylenetriaminepentaaceticacid pentasodium salt** CAS No.: 140-01-2 EC No.: 205-391-3

**LC<sub>50</sub>:** 854 mg/L 4 d (fish, *Oncorhynchus mykiss*)

**EC<sub>50</sub>:** 310 mg/L 2 d (crustaceans, *Daphnia carinata*)

**EC<sub>50</sub>:** >100 mg/L 3 d (Algae/water plant, *Scenedesmus subspicatus*)

**NOEC:** 100 mg/L (fish, *Melanotaenia fluviatilis*)

**NOEC:** 600 mg/L (Algae/water plant, *Scenedesmus subspicatus*)

**Sodium cumenesulfonate** CAS No.: 15763-76-5 EC No.: 239-854-6

**LC<sub>50</sub>:** >100 mg/L 4 d (fish, *Cyprinus carpio*)

**EC<sub>50</sub>:** >100 mg/L 2 d (crustaceans, *Daphnia magna*)

**NOEC:** 31 mg/L

**LC<sub>50</sub>:** >1,000 mg/L 4 d (fish)

**EC<sub>50</sub>:** 230 mg/L 3 d (Algae/water plant)

**EC<sub>50</sub>:** 1,000 mg/L 2 d (crustaceans, *Daphnia magna*)



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<b>Silicic acid, potassium salt</b> CAS No.: 1312-76-1 EC No.: 215-199-1
<b>LC<sub>50</sub></b> : >146 mg/L 2 d (fish, <i>Leuciscus idus melanotus</i> )
<b>EC<sub>50</sub></b> : >146 mg/L 1 d (crustaceans, <i>Daphnia magna</i> )
<b>EC<sub>50</sub></b> : 345.4 mg/L 3 d (Algae/water plant, <i>Scenedesmus subspicatus</i> )
<b>potassium hydroxide</b> CAS No.: 1310-58-3 EC No.: 215-181-3
<b>LC<sub>50</sub></b> : 80 mg/L 4 d (fish, <i>Gambusia affinis</i> )
<b>sodium hydroxide</b> CAS No.: 1310-73-2 EC No.: 215-185-5
<b>LC<sub>50</sub></b> : 125 mg/L 4 d (fish, <i>Poecilia reticulata</i> )
<b>LC<sub>50</sub></b> : 125 mg/L 4 d (fish, <i>Gambusia affinis</i> (Mosquito fish))
<b>LC<sub>50</sub></b> : 125 mg/L 4 d (fish, <i>Gambusia affinis</i> )
<b>EC<sub>50</sub></b> : 40.4 mg/L 2 d (crustaceans, <i>Daphnia magna</i> )
<b>EC<sub>50</sub></b> : 40.4 mg/L 2 d (fish, <i>Ceriodaphnia spec</i> )
<b>EC<sub>50</sub></b> : 40.4 mg/L 2 d (crustaceans, <i>Ceriodaphnia dubia</i> )
<b>NOEC</b> : 56 mg/L (fish, <i>Poecilia reticulata</i> )

### 12.2. Persistence and degradability

<b>Diethylenetriaminepentaaceticacid pentasodium salt</b> CAS No.: 140-01-2 EC No.: 205-391-3
<b>Biodegradation</b> : Yes, slowly
<b>Sodium cumenesulfonate</b> CAS No.: 15763-76-5 EC No.: 239-854-6
<b>Biodegradation</b> : Yes, rapidly
<b>Silicic acid, potassium salt</b> CAS No.: 1312-76-1 EC No.: 215-199-1
<b>Biodegradation</b> : Yes, slowly

### 12.3. Bioaccumulative potential

<b>Sodium cumenesulfonate</b> CAS No.: 15763-76-5 EC No.: 239-854-6
<b>Log K<sub>OW</sub></b> : -1.1

### 12.4. Mobility in soil

sodium hydroxide: According to REACH, an adsorption/desorption study is not required if the adsorption potential of the substance is expected to be low due to its physico-chemical properties (Annex VIII column 2 adaptation).

Silicic acid, potassium salt: Due to the strong pH and concentration dependence, which leads to a dynamic equilibrium between polymerization and depolymerization with speciation in different mono-, oligo- and polymeric anions and amorphous silica, calculations of the distribution in different environmental compartments are not possible (HERA 2005).

### 12.5. Results of PBT and vPvB assessment

<b>Tripotassium phosphate</b> CAS No.: 7778-53-2 EC No.: 231-907-1
<b>Results of PBT and vPvB assessment</b> : —
<b>Diethylenetriaminepentaaceticacid pentasodium salt</b> CAS No.: 140-01-2 EC No.: 205-391-3
<b>Results of PBT and vPvB assessment</b> : —
<b>Sodium cumenesulfonate</b> CAS No.: 15763-76-5 EC No.: 239-854-6
<b>Results of PBT and vPvB assessment</b> : —
<b>Silicic acid, potassium salt</b> CAS No.: 1312-76-1 EC No.: 215-199-1
<b>Results of PBT and vPvB assessment</b> : —
<b>potassium hydroxide</b> CAS No.: 1310-58-3 EC No.: 215-181-3
<b>Results of PBT and vPvB assessment</b> : —
<b>sodium hydroxide</b> CAS No.: 1310-73-2 EC No.: 215-185-5
<b>Results of PBT and vPvB assessment</b> : —

Based on the available information, the product does not contain any PBT or vPvB substances in content percentages  $\geq 0.1\%$ .

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### 12.6. Endocrine disrupting properties

According to the available data, the product does not contain any substances included in the main European lists of potential or suspected endocrine disruptors with effects on human health to be assessed.

### 12.7. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Reuse if possible. Product residues are to be considered as hazardous waste. The hazardousness of the waste partially containing this product must be evaluated on the basis of the legal provisions in force. Disposal must be entrusted to a company authorised for waste management, taking into account national and, where applicable, local regulations.

#### Waste treatment options





##### Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

### 13.2. Additional information

Contaminated packaging material must be sent for recycling or disposal in accordance with the country's waste management regulations.

## SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1. UN number or ID number</b>			
UN 3266	UN 3266	UN 3266	UN 3266
<b>14.2. UN proper shipping name</b>			
CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
<b>14.3. Transport hazard class(es)</b>			
 8	 8	 8	 8
<b>14.4. Packing group</b>			
III	III	III	III
<b>14.5. Environmental hazards</b>			
No	No	No	No
<b>14.6. Special precautions for user</b>			
<b>Limited quantity (LQ):</b> 5 L <b>Hazard identification number (Kemler No.):</b> 80 <b>Classification code:</b> - <b>Tunnel restriction code:</b> (E)	No data available	<b>Limited quantity (LQ):</b> 5 L <b>EmS-No.:</b> F-A, S-B	<b>Special Provisions:</b> A3, A803 <b>Limited quantity (LQ):</b> Cargo: 60 L, Pass: 5 L <b>Remark:</b> Packaging details: 856, 852

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

No data available

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### SECTION 15: Regulatory information

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

##### 15.1.1. EU legislation

###### Restrictions on use:

Restrictions on the product or substances according to Annex XVII Regulation (EC) 1907/2006:

- Product point 3

- Substances contained point 75

Regulation (EU) 2019/1148 (marketing and use of explosives precursors): not applicable.

Substances according to Candidate List (Art. 59 REACH): Based on the available information, the product does not contain SVHC substances in percentages  $\geq 0.1\%$ .

Preventive medical check-ups: No precautionary examinations are required when working with this product. This is only on condition that the results of the risk assessment prove that there is only a moderate risk to the safety and health of workers and that the measures provided for by Directive 98/24/EC are sufficient to limit the risk.

Ingredients according to Regulation (EC) No. 648/2004

###### Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:

Volatile organic compounds (VOC) content in percent by weight: 6 weight-%

##### 15.1.2. National regulations

No data available

#### 15.2. Chemical Safety Assessment

No data available

### SECTION 16: Other information

#### 16.1. Indication of changes

No data available

#### 16.2. Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BS	British standard
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DIN	German Institute for Standardization / German Industrial Standard
DNEL	derived no-effect level
EC <sub>50</sub>	Effective Concentration 50%
EN	European Standard
ES	Exposure scenario
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISO	International Standards Organisation
KG	body weight
LC <sub>50</sub>	Lethal (fatal) Concentration 50%
LD <sub>50</sub>	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development
OSHA	Occupational Safety & Health Administration
PBT	persistent and bioaccumulative and toxic
PNEC	Predicted No Effect Concentration

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REACH Registration, Evaluation and Authorization of Chemicals  
RID Dangerous goods regulations for transport by rail  
SCL Specific concentration limit  
TRGS Technische Regeln für Gefahrstoffe  
TWA Time Weighted Average  
UN United Nations  
VOC Volatile organic compounds

### 16.3. Key literature references and sources for data

No data available

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Reproductive toxicity ( <i>Repr. 2</i> )	H361d: Suspected of damaging the unborn child. ( )	
Skin corrosion/irritation ( <i>Skin Corr. 1A</i> )	H314: Causes severe skin burns and eye damage.	
Serious eye damage/eye irritation ( <i>Eye Dam. 1</i> )	H318: Causes serious eye damage.	

### 16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H290	May be corrosive to metals.
H302	Harmful if swallowed.
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.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.

### 16.6. Training advice

No data available

### 16.7. Additional information

No data available