

# SAFETY DATA SHEET

## OCC cleaning solution

### EU3292

According to EC Directive (EC) No. 1907/2006 (No. 878/2020)

Preparation Date: 09-May-2022

Revision Date: 06-Oct-2025

Revision Number: 0.7

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product Identifier

**Product Name** OCC cleaning solution  
**UFI:** Y2T0-X02X-400F-Y20M

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

**Recommended use** Analytical reagent  
**Uses advised against** Restricted to professional users.

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

Contact Manufacturer	Supplier
DeLaval N.V.	DeLaval Inc.
Industriepark-Drongen 10	Rue Secant Street d'Anjou, Quebec H1J 1S5
Gent	Canada
Belgium	Tel. 705-741-3100
Tel. +32 9 280 91 21	
Email MSDS.EU@delaval.com	

### 1.4. Emergency Telephone Number

**Emergency Telephone Number** West Penetone Inc: (514) 355-4660 8h-17h Monday to Friday  
Poison Control Center (Emergency, 24 H): 1-844-POISON-X or 1-844-764-7669

## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

**Classification according to REGULATION (EC) No 1272/2008**  
*For the full text of the H phrases mentioned in this Section, see Section 16*

Skin corrosion/irritation	Category 2. (H315)
Serious eye damage/eye irritation	Category 2. (H319)

### 2.2. Label Elements

**Labeling according to REGULATION (EC) No 1272/2008**

**Hazard Pictogram(s)**



**Signal word**

WARNING

**Hazard statements**

H315 - Causes skin irritation  
H319 - Causes serious eye irritation

**Precautionary statements**

P102 - Keep out of reach of children

P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing

### 2.3. Other hazards

This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB) ( $\geq 0.1\%$ )

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT) ( $\geq 0.1\%$ )

This product does not contain any known or suspected endocrine disruptors ( $\geq 0.1\%$ )

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable

### 3.2. Mixture

Chemical nature of the preparation.

Chemical name	EC No	Weight-%	EU - GHS Substance Classification	Specific concentration limit (SCL)	M-Factor (acute)	M-Factor (chronic)	Reach Registration Number
Potassium hydroxide 1310-58-3	215-181-3	< 1	Acute Tox. 4 (H302) Skin Corr. 1A (H314) Met. Corr. 1 (H290)	Eye Irrit. 2 : 0.5% $\leq$ C<2% Skin Corr. 1A : C $\geq$ 5% Skin Corr. 1B : 2% $\leq$ C<5% Skin Irrit. 2 : 0.5% $\leq$ C<2%	-	-	01-2119487136-33
Sodium Hydroxide 1310-73-2	215-185-5	< 1	Skin Corr. 1A (H314) Met. Corr. 1 (H290)	Eye Irrit. 2 : 0.5% $\leq$ C<2% Skin Corr. 1A : C $\geq$ 5% Skin Corr. 1B : 2% $\leq$ C<5% Skin Irrit. 2 : 0.5% $\leq$ C<2%	-	-	01-2119457892-27

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

### Acute Toxicity Estimate

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50
Potassium hydroxide 1310-58-3	214 mg/kg (Rat)	-	-
Sodium Hydroxide 1310-73-2	-	1350 mg/kg (Rabbit)	-

Rat (rat) Rabbit (rabbit)

### Additional information

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## 4. FIRST AID MEASURES

### 4.1. Description of first-aid measures.

#### General Advice

Show this safety data sheet to the doctor in attendance.

#### Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.

#### Skin contact

Rinse with plenty of water. If symptoms persist, call a physician.

Ingestion	Clean mouth with water and afterwards drink plenty of water.
Inhalation	Move to fresh air.

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

Acute Effects	According to our experience and to the information provided to us, the product does not have any harmful effects if it is used and handled as specified.
Delayed Effects	None known.
Effects of overexposure	None known.

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

Notes to Physician	Treat symptomatically.
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**5. FIRE-FIGHTING MEASURES****5.1. Extinguishing media**

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
Extinguishing media which must not be used for safety reasons	None.

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

Specific hazards arising from the chemical	None in particular.
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**5.3. Advice for firefighters**

Protective Equipment and Precautions for Firefighters	Use personal protective equipment.
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**6. ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment.
Other Information	See Section 12 for more information
Advice for emergency responders.	Individual protection measures, such as personal protective equipment. Wear personal protective clothing (see section 8).

**6.2. Environmental Precautions**

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

**6.3. Methods and materials for containment and cleaning up**

Dam up. Soak up with inert absorbent material. Prevent product from entering drains. Keep in suitable and closed containers for disposal.

**6.4. Reference to other sections**

See Section 12 for more information  
For personal protection see section 8  
Section 13. Disposal considerations

**7. HANDLING AND STORAGE****7.1. Precautions for Safe Handling**

Handling	Avoid contact with skin and eyes. In case of insufficient ventilation, wear suitable respiratory equipment.
General Hygiene Considerations	Keep away from food, drink and animal feedingstuffs. When using, do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection.

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

Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labelled containers. Keep away from direct sunlight.
German storage class	10 - 13 ( Germany )

**7.3. Specific End Use(s)**

Exposure Scenario

Not applicable

Other Guidelines

Not applicable

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

Exposure limits

Chemical name	EU	Austria	Belgium	Bulgaria	Croatia
Potassium hydroxide 1310-58-3		TWA: 2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup> (15 min) (M)	TWA: 2.0 mg/m <sup>3</sup>	STEL: 2 mg/m <sup>3</sup>
Sodium Hydroxide 1310-73-2		STEL: 4 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup>	TWA 2mg/m <sup>3</sup>	TWA: 2.0 mg/m <sup>3</sup>	KGVI: 2 mg/m <sup>3</sup>
Chemical name	Denmark	Estonia	Finland	France	Germany
Potassium hydroxide 1310-58-3	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	HTP: 2 mg/m <sup>3</sup>	STEL: 2 mg/m <sup>3</sup>	
Sodium Hydroxide 1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	
Nitrilotriacetic acid trisodium salt 5064-31-3					TWA: 2 mg/m <sup>3</sup> Peak: 8 mg/m <sup>3</sup> Skin
Chemical name	Hungary	Ireland	Italy	Latvia	Lithuania
Potassium hydroxide 1310-58-3	ÁK-érték: 2 mg/m <sup>3</sup> CK-érték: 2 mg/m <sup>3</sup>	STEL: 2 mg/m <sup>3</sup>		AER (8 Stunden): 2mg/m <sup>3</sup>	
Sodium Hydroxide 1310-73-2	ÁK-érték: 1 mg/m <sup>3</sup> CK-érték: 2 mg/m <sup>3</sup>	STEL: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>	AER: 0.5 mg/m <sup>3</sup> (8st.) AER: Aroda ekspozíciásrobežvērtī bas	Ceiling: 2 mg/m <sup>3</sup>
Chemical name	Netherlands	Norway	Poland	Portugal	Spain
Potassium hydroxide 1310-58-3		Ceiling: 2 mg/m <sup>3</sup>	NDSch: 1 mg/m <sup>3</sup> NDS: 0.5 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>	STEL: 2 mg/m <sup>3</sup>
Sodium Hydroxide 1310-73-2		Ceiling: 2 mg/m <sup>3</sup>	NDSch: 1 mg/m <sup>3</sup> NDS: 0.5 mg/m <sup>3</sup> NDSP - nie określono Metoda oznaczania:PN-Z-0443 5:2011PiMOŚP 2002, nr 1(59)	Ceiling: 2 mg/m <sup>3</sup>	STEL: 2 mg/m <sup>3</sup>
Chemical name	Sweden	Switzerland	United Kingdom	European Union	
Potassium hydroxide 1310-58-3	NGV: 1 mg/m <sup>3</sup> KGV: 2 mg/m <sup>3</sup>	KZGW: 2 mg/m <sup>3</sup>	STEL: 2 mg/m <sup>3</sup>		
Sodium Hydroxide 1310-73-2	LLV: 1 mg/m <sup>3</sup> STV 2 mg/m <sup>3</sup>	STEL: 2 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup>	TWA: 2mg/m <sup>3</sup>		

Derived No Effect Level (DNEL)

No information available

Predicted No Effect Concentration (PNEC)

No information available

**8.2. Exposure controls**

Engineering Controls

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye Protection

Safety glasses with side-shields.

Skin Protection

Long sleeved clothing.

Hand Protection

Protective gloves

Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Environmental exposure controls

No information available.

**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

Physical state

Liquid

Appearance

Light yellow

Odor

Slight

Odor Threshold

No information available

<u>Property</u>	<u>Values</u>
<b>Melting point/freezing point</b>	No data available
<b>Melting Point/Range</b>	No data available
<b>Boiling Point/Range</b>	No data available
<b>Flammability</b>	No data available
<b>Upper flammability limit:</b>	No data available
<b>Upper Explosion Limit</b>	No data available
<b>Lower flammability limit:</b>	No data available
<b>Lower Explosion Limit</b>	No data available
<b>Flash Point</b>	No data available
<b>Autoignition Temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>pH</b>	13.5
<b>Kinematic viscosity</b>	No data available
<b>Water Solubility</b>	No data available
<b>Solubility in other solvents</b>	No data available
<b>Partition coefficient:</b>	No data available
<b>n-octanol/water</b>	
<b>Vapor Pressure</b>	No data available
<b>Density</b>	No data available
<b>Relative Density</b>	No data available
<b>Relative vapor density</b>	No data available
<b>Particle characteristics</b>	Not applicable
<b>Specific Gravity</b>	1.016 (25°C)

**9.2. Other Information**

**Viscosity** No data available

9.2.1. Information with regard to physical hazard classes  
Not applicable

9.2.2. Other safety characteristics  
No information available

## 10. STABILITY AND REACTIVITY

**10.1. Reactivity**

No data available.

**10.2. Chemical Stability**

**Stability** Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

**Hazardous Polymerization** None under normal processing. Hazardous polymerisation does not occur.

**Possibility of hazardous reactions** None under normal use.

**10.4. Conditions to Avoid**

Keep away from children.

**10.5. Incompatible Materials**

**Incompatible Materials** No materials to be especially mentioned

**10.6. Hazardous decomposition products**

Thermal decomposition can lead to release of irritating gases and vapours.

## 11. TOXICOLOGICAL INFORMATION

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

**Inhalation** No information available.

Eye contact No information available.  
 Skin contact No information available.  
 Ingestion No information available.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Potassium hydroxide	214 mg/kg (Rat)	No data available	No data available
Sodium Hydroxide	-	1350 mg/kg (Rabbit)	-

Rat (rat) Rabbit (rabbit)

Skin corrosion/irritation Irritating to skin.  
 Serious eye damage/eye irritation Irritating to eyes.  
 Respiratory or skin sensitization 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 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

### 11.2.1. Endocrine disrupting properties

Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors ( $\geq 0.1\%$ ).

### 11.2.2. Other information

None

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### Ecotoxicity effects

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Chemical name	Algae/aquatic plants	Fish	Microtox	Waterflea
Sodium Hydroxide		LC 50 (96 h) 45.4 mg/l (Oncorhynchus mykiss)		EC50 (48 hour): 40.4 mg/l (Ceriodaphnia dubia) >100 mg/l (daphnia) (OECD 202)

### 12.2. Persistence and degradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer

### 12.3. Bioaccumulative potential

No information available

Chemical name	Partition coefficient
Potassium hydroxide	0.83

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Endocrine disrupting properties

This product does not contain any known or suspected endocrine disruptors ( $\geq 0.1\%$ ).

### 12.7. Other adverse effects

No information available.

**13. DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

<b>Waste from Residues / Unused Products</b>	Dispose of in accordance with local regulations. Do not dispose of waste into sewer.
<b>Contaminated Packaging</b>	Dispose of in accordance with local regulations.
<b>Other Information</b>	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific Waste codes should be assigned by the user based on the application for which the product was used

**14. TRANSPORT INFORMATION****IMDG/IMO**

14.1. UN number or ID number	Not regulated
14.2. Proper shipping name	Not regulated
14.3. Transport hazard class(es)	Not regulated
14.4. Packing Group	Not regulated
14.5. Environmental hazard	No information available
14.6. Special Provisions	None
14.7. Maritime transport in bulk according to IMO instruments	No information available

**ADR/RID**

14.1. UN number or ID number	Not regulated
14.2. Proper shipping name	Not regulated
14.3. Transport hazard class(es)	Not regulated
14.4. Packing Group	Not regulated
14.5. Environmental hazard	No information available
14.6. Special Provisions	None

**IATA/ICAO**

14.1. UN number or ID number	Not regulated
14.2. Proper Shipping Name	Not regulated
14.3. Transport hazard class(es)	Not regulated
14.4. Packing group	Not regulated
14.5. Environmental hazard	No information available
14.6. Special Provisions	None

**15. REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Ingredient declaration according to 648/2004/EEG** EDTA and salts thereof < 5%

**EU Legislations**

Reg.1907/2006 (REACH)  
Reg. 878/2020 amending REACH Annex II  
Reg.1272/2008 on classification, packaging and labeling of substances and mixtures  
Dir. 2000/39/CE (OEL)  
Reg. 648/2004/CE (Detergents)  
Reg. 649/2012/CE (PIC)

**International Inventories**

**All of the components in the product are on the following Inventory lists:** U.S.A. (TSCA), Canada (DSL/NDL), Europe (EINECS/ELINCS/NLP), Australia (AICS), Korea (ECL), China (IECSC), Philippines (PICCS).

**EINECS/ELINCS**

All components are listed or exempted

## Legend

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances**15.2. Chemical Safety Assessment**

No data available

**16. OTHER INFORMATION****Key or legend to abbreviations and acronyms**

Acute tox : Acute toxicity  
Skin corr. : Skin corrosion  
Skin Irrit. : Skin irritation  
Eye Irrit. : Eye irritation  
Metal corr. : corrosive to metals

**Classification according to REGULATION (EC) No 1272/2008**

The classification for human health, physical and chemical risks and environmental hazards were derived from a combination of calculation methods and, where available, test data.

**Key literature references and sources for data**[www.ChemADVISOR.com/](http://www.ChemADVISOR.com/)**Preparation Date:** 09-May-2022**Revision Date:** 06-Oct-2025**Revision Number:** 0.7**Revision Note:****Reason for revision** Section 1: update Emergency Telephone Number**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet