

**Preparation Date:** 10-Oct-2018  
**Revision Number:** 1.2  
**Revision Date:** 27-Apr-2026  
**Date of Next Revision:** 26-Apr-2031

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

<b>Product Name</b>	OCC Cleaning Solution
<b>Item#:</b>	NZ0020
<b>Recommended use</b>	Analytical reagent
<b>Uses advised against</b>	Restricted to professional users
<b>Supplier</b>	DeLaval Ltd, 82 Greenwood street, Hamilton New Zealand
<b>Telephone Number</b>	(07) 849-6020 (8am - 4:30pm Mon-Fri)
<b>Emergency Telephone Number</b>	0800 764 766 (National Poison Centre) 0800 243 622 CHEMCALL

## 2. HAZARD IDENTIFICATION

### 2.1. Classification of the substance or mixture according to GHS

Skin corrosion/irritation - Category 2  
Serious eye damage/eye irritation - Category 2

### 2.2. Label Elements

#### Hazard Pictogram(s)



<b>Signal word</b>	WARNING
<b>Hazard Statements</b>	H315 - Causes skin irritation H319 - Causes serious eye irritation
<b>Precautionary statements</b>	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

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Potassium hydroxide	1310-58-3	0 - 1%
Sodium Hydroxide	1310-73-2	0 - 1%

### 4. FIRST AID MEASURES

<b>Workplace Facilities</b>	Eyewash bottle with clean water
<b>General Advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes
<b>Skin contact</b>	Rinse with plenty of water If symptoms persist, call a physician
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician
<b>Ingestion</b>	Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Posion Control Centre immediately. Never give anything by mouth to an unconcscious person.
<b>Notes to Physician</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Hazchem Code</b>	No Hazchem Code allocated
<b>Flammable Properties</b>	No information available.
<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable Extinguishing Media</b>	No information available.
<b>Specific hazards arising from the chemical</b>	Keep product and empty container away from heat and sources of ignition.
<b>Protective Equipment and Precautions for Firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment.
<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
<b>Methods for cleaning up</b>	Dam up. Take up mechanically and collect in suitable container for disposal. After cleaning, flush away traces with water.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with skin and eyes. In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Storage</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labelled containers. Keep away from direct sunlight.
<b>Type of Container/Package</b>	Store in original container

Handle and store according to AS/NZS Standards and the Responsible Care Management Systems: Managers Handbook.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical name	WES (New Zealand)
Potassium hydroxide	Ceiling: 2 mg/m <sup>3</sup>
Sodium Hydroxide	Ceiling: 2 mg/m <sup>3</sup>

**Engineering Controls**                      Ensure adequate ventilation, especially in confined areas.

### Personal Protective Equipment

**Eye/face Protection**                      Tightly fitting safety goggles. Face-shield.

**Skin Protection**                              Long sleeved clothing

**Respiratory Protection**                      No special protective equipment required.

### **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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Light yellow
<b>Physical state</b>	Liquid
<b>Odor</b>	Slight
<b>Odor Threshold</b>	No information available
<b>pH</b>	13.5
<b>Melting Point/Range</b>	No data available

<b>Freezing Point/Range</b>	No data available
<b>Boiling Point/Range</b>	No data available
<b>Initial boiling point/range</b>	No data available
<b>Flash Point</b>	No data available
<b>Flammability (solid, gas)</b>	No information available
<b>Upper flammability limit:</b>	No data available
<b>Lower flammability limit:</b>	No data available
<b>Vapor Pressure</b>	No data available
<b>Vapor Density</b>	No data available
<b>Relative density</b>	No data available
<b>Solubility</b>	No information available
<b>Solubility in other solvents</b>	No data available
<b>Partition Coefficient (n-octanol/water)</b>	No information available
<b>Autoignition Temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Kinematic viscosity</b>	No data available
<b>Particle characteristics</b>	No data available
<b>Specific Gravity</b>	1.016 (25°C)

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal conditions.
<b>Conditions to Avoid</b>	Heat, flames and sparks.
<b>Incompatible Materials</b>	No materials to be especially mentioned
<b>Hazardous decomposition products</b>	Thermal decomposition can lead to release of irritating gases and vapours.

## 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity</b>	
<b>Inhalation</b>	No information available.
<b>Eye contact</b>	No information available.
<b>Skin contact</b>	No information available.
<b>Ingestion</b>	No information available.

### Component Information

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

<b>Skin corrosion/irritation</b>	Irritating to skin
<b>Serious eye damage/eye irritation</b>	Irritating to eyes
<b>Respiratory or skin sensitization</b>	Based on available data, the classification criteria are not met
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met
<b>Carcinogenicity</b>	There are no known carcinogenic chemicals in this product.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met
<b>Developmental Effects</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

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)

<b>Persistence and degradability</b>	No information available
<b>Bioaccumulation/Accumulation</b>	No information available.
<b>Mobility</b>	No information available
<b>Other adverse effects</b>	No information available
<b>Biodegradation</b>	Some ingredients of this material have some potential to biodegrade, but most ingredients have a limited potential to biodegrade or have not been tested.

## 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Method</b>	Should not be released into the environment. It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.
<b>Contaminated Packaging</b>	Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION
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Not regulated

**Hazchem Code**

No Hazchem Code allocated

15. REGULATORY INFORMATION
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**EPA Group Standard**

HSR002530 Cleaning product (Subsidiary Hazard) Group Standard 2020

**HSNO Conditions**

Approved Handler trigger quantity: N/A  
Location Compliance certification trigger: N/A  
Secondary containment trigger quantity: N/A  
Signage trigger quantity: N/A  
Response Plan trigger quantity: N/A

**EPA Reference**

Guidance to the changes introduced by the Health and Safety at Work (Hazardous Substances) Regulations 2017

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16. OTHER INFORMATION
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<b>Prepared By</b>	DeLaval NV Industriepark-Drongen 10 9031 Gent Belgium
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<b>Reason for revision</b>	Update Section: 15 (+ HSR number, group standard, HSNO Conditions)
<b>References</b>	<ul style="list-style-type: none"><li>- Hazardous Substances (Hazardous Classification) Notice 2020</li><li>- Hazardous substances (Labelling) Notice 2017</li><li>- Hazardous Substances (Safety Data Sheets) Notice 2017</li><li>- European Agreement concerning the International Carriage of Dangerous Goods by Road</li><li>- New Zealand Workplace Exposure Standards (WES)</li><li>- International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 1: Carcinogenic to humans</li><li>- Chemical Classification and Information Database (CCID)</li></ul>

**Disclaimer**

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**End of SDS**