

SAFETY DATA SHEET

OCC Cleaning Solution

Preparation Date: 10-Oct-2018
Date of Next Revision: 09-Oct-2023

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

Product Name	OCC Cleaning Solution
Item#:	NZ0020
Recommended use	Analytical reagent
Uses advised against	Restricted to professional users
Supplier	DeLaval Manufacturing PO Box 15-205 Kells Place Hamilton New Zealand
Telephone Number	+64 7 847 9904 (8am - 4:30pm Mon-Fri)
Emergency Telephone Number	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 1
GHS Physical Hazard 2 - Corrosive to Metals

HSNO Classifications
6.3A Substances that are irritating to the skin
8.3A Substances that are corrosive to the eye
8.1A Substances that are corrosive to metals

2.2. Label Elements

Hazard Pictogram(s)



Signal word DANGER

Hazard Statements
H290 - May be corrosive to metals
H315 - Causes skin irritation
H318 - Causes serious eye damage

Precautionary statements
P102 - Keep out of reach of children
P234 - Keep only in original container
P280 - Wear protective gloves/protective clothing/eye protection/face protection
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/doctor.

Contains sodium hypochlorite

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Sodium hypochlorite	7681-52-9	1 - 10%

4. FIRST AID MEASURES

Workplace Facilities	Eyewash bottle with clean water
General Advice	If symptoms persist, call a physician. 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 Keep eye wide open while rinsing If symptoms persist, call a physician
Skin contact	Immediate medical attention is not required Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician
Inhalation	Immediate medical attention is not required Move to fresh air in case of accidental inhalation of vapours or decomposition products If symptoms persist, call a physician
Ingestion	Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician.
Notes to Physician	Treat symptomatically.
Protection of First-aiders	Use personal protective equipment.

5. FIRE-FIGHTING MEASURES

Hazchem Code	No Hazchem Code allocated
Flammable Properties	No information available.
Suitable Extinguishing Media	Use: Dry chemical. Carbon dioxide (CO ₂). Water spray. alcohol-resistant foam.
Unsuitable Extinguishing Media	No information available.
Specific hazards arising from the chemical	In the event of fire the following can be released. nitrogen oxides (NO _x). Sulphur oxides. Hydrogen chloride gas.
Protective Equipment and	As in any fire, wear self-contained breathing apparatus pressure-demand,

Precautions for Firefighters MSHA/NIOSH (approved or equivalent) and full protective gear. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Do not breathe vapours. Cool containers / tanks with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment. Avoid dust formation. Do not breathe dust. Do not breathe vapours. Avoid contact with eyes. Avoid contact with skin.

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

Methods for cleaning up Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment.

Storage Keep in properly labelled containers. Keep at temperatures between 2 and 8°C. Corrosive to metals. Keep away from metals.

Type of Container/Package 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

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

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

Skin Protection Wear protective gloves/clothing

Hand Protection Nitrile rubber
Short time: Thickness 0.12mm, break through time > 480min
Long time: thickness 0.38mm, break through time > 480min

Respiratory Protection In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. (EN 136/140).

General Hygiene Considerations

When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Light yellow

Physical state	Liquid
Odor	Slight chlorine
pH	7
Vapor Pressure	No data available
Vapor Density	No data available
Flash Point	No data available
Autoignition Temperature	No data available
Upper flammability limit:	No data available
Lower flammability limit:	No data available
Boiling Point/Range	100 °C
Freezing Point/Range	No data available
Solubility	Completely soluble
Solubility in other solvents	No data available
Specific Gravity	No data available
Liquid Density	~1.05g/ml

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions. Hazardous polymerization does not occur.
Conditions to Avoid	Heat, flames and sparks.
Incompatible Materials	Acids, amines, alcohols, strong oxidizing agents
Hazardous decomposition products	Chlorine.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	
Inhalation	No information available.
Eye contact	Risk of serious damage to eyes. (OECD 438).
Skin contact	Irritating to skin. (OECD 431).
Ingestion	No information available.

Component Information

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium hypochlorite	= 8.91 g/kg (Rat)	10000 mg/kg (Rabbit)	

Irritation	Irritating to skin
Corrosivity	Risk of serious damage to eyes. (OECD 438).
Sensitization	No information available.
Mutagenic effects	No information available.
Carcinogenicity	There are no known carcinogenic chemicals in this product.

Chemical name	IARC
Sodium hypochlorite	Group 3

Reproductive Effects	No information available.
Developmental Effects	No information available.
STOT - single exposure	No information available
STOT - repeated exposure	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects No known significant effects or critical hazards

Chemical name	Algae/aquatic plants	Fish	Microtox	Waterflea
Sodium hypochlorite	0.095: 24 h Skeletonema costatum mg/L EC50	LC50 (96 h) 0.06 mg/l		0.033 - 0.044: 48 h Daphnia magna mg/L EC50 Static 2.1: 96 h Daphnia magna mg/L EC50

Persistence and degradability No information available

Bioaccumulation/Accumulation No information available.

Mobility No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with local regulations.

Contaminated Packaging Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

UN-No 3266
Proper Shipping Name Corrosive liquid, basic, inorganic, n.o.s (Sodium hypochlorite)
Hazard Class 8
Packing Group III
Hazchem Code No Hazchem Code allocated

15. REGULATORY INFORMATION

HSNO Classifications 6.3A Substances that are irritating to the skin
 8.3A Substances that are corrosive to the eye
 8.1A Substances that are corrosive to metals

ERMA Reference ERMA User Guide to the HSNO Controls, which links to the Hazardous Substances Regulations 2001

16. OTHER INFORMATION

Prepared By DeLaval NV
Industriepark-Drongen 10
9031 Gent
Belgium

Preparation Date: 10-Oct-2018

Date of Next Revision: 09-Oct-2023

References Land Transport (Dangerous Goods) Rule 45001:2005
Hazardous Substances Regulations 2001:
- Minimum Degrees of Hazard
- Classification
- Classes 1 to 5 Controls
- Classes 6, 8 and 9 Controls
- Packaging Regulations
- Identification Regulations
- Disposal Regulations
- Emergency Management
- Identification Regulations
- Disposal Regulations
Health and Safety in Employment Regulations 1995
User Guide to the HSNO Thresholds and Classifications
OSH Workplace Exposure Standards January 2002
NZCIC Approved Code of Practice - Preparation of Safety Data Sheets
Signage for premises storing hazardous substances and dangerous goods

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

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