

# Cleaning solution (OCC kit) Material Safety Data Sheet

Preparation Date: 30-Oct-2007

Revision Date: 03-Apr-2013

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

**Product Name** Cleaning solution (OCC kit)  
**Item#:** CANOCC1  
**Recommended use** cleaning agent

**Supplier** DeLaval Inc.  
150-B Jameson Drive  
Peterborough, Ontario, K9J 0B9  
  
Tel: (705) 741-3100

**Emergency Telephone Number**  
(613) 996-6666 (Canutec)

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

Causes severe irritation of eyes, skin and mucous membranes

**Eyes** Causes severe eye irritation. Risk of serious damage to eyes.  
**Skin** Irritating to skin.  
**Ingestion** Ingestion causes burns of the upper digestive and respiratory tracts.  
**Inhalation** May cause irritation of respiratory tract.  
**Chronic Toxicity** Avoid repeated exposure

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	OSHA PEL
Sodium hydroxide	1310-73-2	<1	TWA: 2 mg/m <sup>3</sup>
Sodium hypochlorite	7681-52-9	1 - 5	

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**4. FIRST AID MEASURES**

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<b>Eye contact</b>	<ul style="list-style-type: none"><li>• Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes</li><li>• If eye irritation persists, get medical advice/attention</li></ul>
<b>Skin contact</b>	<ul style="list-style-type: none"><li>• Wash off immediately with plenty of water</li><li>• If skin irritation persists, call a physician</li></ul>
<b>Ingestion</b>	<ul style="list-style-type: none"><li>• Do not induce vomiting</li><li>• Drink 1 or 2 glasses of water</li><li>• Never give anything by mouth to an unconscious person</li><li>• Call a physician or Poison Control Centre immediately</li></ul>
<b>Inhalation</b>	<ul style="list-style-type: none"><li>• Move to fresh air</li><li>• If symptoms persist, call a physician</li></ul>

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**5. FIRE-FIGHTING MEASURES**

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<b>Fire Hazard</b>	The product is not flammable.
<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
<b>Specific hazards arising from the chemical</b>	The product causes irritation of eyes, skin and mucous membranes.
<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.

<b>Health</b>	<b>Flammability</b>	<b>Instability</b>
3	0	0

<b>NFPA Special Hazard</b>	None
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**6. ACCIDENTAL RELEASE MEASURES**

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<b>Personal precautions</b>	Avoid contact with the skin and the eyes.
<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. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.

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**7. HANDLING AND STORAGE**

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<b>Handling</b>	Use only in area provided with appropriate exhaust ventilation. Do not breathe vapours or spray mist.
<b>Storage</b>	Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Protect from light. Keep in properly labelled containers.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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<b>Chemical Name</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>
Sodium hydroxide	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>

<b>Engineering Controls</b>	Ensure adequate ventilation, especially in confined areas.
<b>Eye/face Protection</b>	Goggles.
<b>Skin Protection</b>	Long sleeved clothing, Rubber gloves
<b>Respiratory Protection</b>	In case of insufficient ventilation wear suitable respiratory equipment.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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<b>Appearance</b>	Light yellow
<b>Form</b>	Liquid
<b>Odor</b>	Slight chlorine
<b>Density</b>	~1.05g/ml
<b>Water Solubility</b>	soluble
<b>pH</b>	7
<b>Boiling Point/Range</b>	100 °C

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**10. STABILITY AND REACTIVITY**

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<b>Chemical Stability</b>	Stable under normal conditions.
<b>Conditions to Avoid</b>	Extremes of temperature and direct sunlight.
<b>Incompatible Materials</b>	acids, amines, alcohols, strong oxidizing agents, reducing agents
<b>Hazardous decomposition products</b>	Chlorine
<b>Possibility of hazardous reactions</b>	May develop chlorine if mixed with acidic solutions.

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## 11. TOXICOLOGICAL INFORMATION

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium hydroxide	2000 mg/Kg	1350 mg/kg	
Sodium hypochlorite	8200 mg/kg ( Rat )	10000 mg/kg ( Rabbit )	

**Carcinogenicity** Contains no ingredient listed as a carcinogen

## 12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Sodium hydroxide		LC50 (96 h) 72 mg/L		
Sodium hypochlorite		LC50 (96 h) 0.06 mg/l		

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** Dispose of in accordance with local regulations.

**Contaminated Packaging** Empty containers should be taken for local recycling, recovery or waste disposal.

## 14. TRANSPORT INFORMATION

DOT

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

## 15. REGULATORY INFORMATION

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	CHINA	KECL	PICCS	AICS
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## Cleaning solution (OCC kit)

Revision Date: 15-Feb-2010

Sodium hydroxide	X	X		X		X	X	X	X	X
Sodium hypochlorite	X	X		X		X	X	X	X	X

USAFederal RegulationsTSCA

Complies

**Acute Health Hazard**

Yes

**Chronic Health Hazard**

Yes

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Sodium hydroxide	X	X	X		X
Sodium hypochlorite	X	X	X		

## 16. OTHER INFORMATION

Preparation Date: 30-Oct-2007

Revision Date: 03-Apr-2013

Reason for revision: Not applicable

**Disclaimer**

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