



# SAFETY DATA SHEET

## Section 1: Identification of the Substance/Mixture and of the Supplier

**Product Name:** SCRUB CLEAN  
**Proper Shipping Name** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.  
**Recommended use:** Heavy Duty Caustic Cleaner/ C31 Cleaner  
**Company Details** Marketing Chemicals Ltd  
**Address:** 7/343 Church Street , Penrose,  
Auckland. New Zealand  
**Telephone:** +64 9 634 3862 [8.00 am to 4.30pm – Monday to Friday]  
**Fax:** +64 9 634 3864  
**Emergency Telephone:** +64 274 736008(24 hours)  
National Poison Centre(24 hours): 0800 POISON [ 764 766]  
**Date of preparation** 14 October 2008

## Section 2: Hazard Identification



### DANGER:

- Causes severe skin burns and eye damage.
- May be corrosive to metals.
- Harmful to aquatic life.
- Harmful in contact with skin.

**HSNO Approval Number: Group Standard HSR002526.**

### Prevention:

- Keep out of reach of children.
- Read label before use.
- Wash hands thoroughly after handling.
- Wear protective gloves and eye/face protection.
- Avoid release to the environment.

## Section 3: Composition/Information on Ingredients

Name	% by Wt.	CAS Number
Sodium Hydroxide	5.0 – 60.0	1310-73-2
Nonylphenol ethoxylate	5.0 – 10.0	9016-45-9
Water	Up to 100	7732-18-5

## Section 4: First Aid Measures

<b>Eyes:</b>	If medical advice is needed, have product container or label at hand. Immediately call a POISON CENTER or doctor/physician. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Skin:</b>	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor/physician.
<b>Ingestion:</b>	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
<b>Inhalation:</b>	Remove to fresh air and keep at rest in a position comfortable for breathing.

For Further Information Telephone (24 Hours)The National Poison Centre: 0800 Poison [764 766]

## Section 5: Fire Fighting Measures

<b>Flash Point:</b>	Not available
<b>Auto ignition Temperature:</b>	Not available
<b>Flammable Limits in Air % by Volume:</b>	Not available
<b>Extinguishing Media:</b>	All
<b>Fire Fighting Instructions:</b>	
<b>Unusual Fire and Explosion Hazards:</b>	

## Section 6: Accidental Release Measures

Stop the leak, if possible. Ventilate the space involved. Contain, vacuum up, place in non-sparking container for disposal. Prevent waterway contamination. Construct a dike to prevent spreading. Collect run-off and transfer to drums or tanks for later disposal.

## Section 7: Handling And Storage

<b>Handling &amp; Storage:</b>	Do not get in eyes or skin or on clothing. Do not breathe mist. Keep container closed. Use only with adequate ventilation. Do not taste or swallow. Wash thoroughly after handling. To avoid rapid temperature rise, violent spattering, or explosive eruptions always add caustic to water when mixing. Never add water to a caustic when mixing. Add small amounts of product slowly and evenly over single addition, Water should not exceed 70 <sup>0</sup> C during addition. Do NOT store near strong acids.
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## Section 8: Exposure Controls/Personal Protection

<b>Engineering Controls:</b>	General (mechanical) room ventilation is considered satisfactory in enclosed spaces.
<b>Eye / Face Protection:</b>	Where there is potential for eye contact, wear a face shield, chemical goggles, and have eye flushing equipment immediately available.

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**Body Protection:** PVC-coated gloves. Avoid skin contact. If skin contact or contamination of clothing is likely, protective clothing should be worn.

**Respiratory Protection:** Avoid breathing vapour or mist. Use NIOSH approved respiratory protection equipment appropriate to the material

**Exposure Limits:** Not available

### Section 9: Physical And Chemical Properties

Appearance Clear liquid

Boiling point > 100<sup>o</sup>C

Specific Gravity 1.25

Vapour Pressure Not available

pH 13

Solubility in water Completely

% Volatiles Not available

Evaporation Rate Not available

### Section 10: Stability And Reactivity

**Stability of the Substance:** Stable under normal conditions

**Conditions to avoid:**

**Materials to avoid:** Strong acids

**Hazardous Decomposition Products:** Explosive hydrogen gas can be liberated on contact with metals, such as zinc, tin or aluminium. Hydrogen gas can result in explosive hazards in confined spaces.

**Conditions Contributing to Hazardous Polymerization**

### Section 11: Toxicological Information

**Eyes:** SPECIES:  
RESULT: Contact with the eyes causes disintegration and sloughing of conjunctiva and corneal epithelium, corneal opacification, marked edema, and ulceration; After 7 to 13 days either gradual recovery begins, or there is progression of ulceration and corneal opacification. Complications of severe eye burns are symblepharon (adhesion of the lid to the eyeball) with overgrowth of the cornea by a vascularized membrane, progressive or recurrent corneal ulceration, and permanent corneal opacification.  
SPECIES: Rabbit.;RESULT: Corrosive.  
REFERENCE SOURCE: DOW Deutschland Inc., Werk Stade Stade 5 Hughes (1946) cited in: Martin F.M., Report EPA/600/8-88/081, Order-Nr. PB88-231949, 1988  
[IUCLID 2000]

**Skin:** SPECIES: Rabbit; ENDPOINT: LD50; VALUE: 1350 mg/kg  
REFERENCE SOURCE: Occidental Chemical Corporation Niagara Falls, NY 14302-0728 No reference. [IUCLID 2000]  
SPECIES:  
RESULT: Corrosive irritant.  
REFERENCE SOURCE: [Lewis, R.J. Saxs Dangerous Properties of Industrial Materials. 9th ed. Volumes 1-3. New York, NY: Van Nostrand Reinhold, 1996. 2970]\*\*PEER REVIEWED\*\* [HSDB]  
SPECIES: Mouse; RESULT: Highly corrosive.  
REFERENCE SOURCE: Occidental Chemical Corporation Niagara Falls, NY 14302-0728  
Bromberg, B.E. et al (1965) Plast Reconstr Surg 35:85-95. [IUCLID 2000]  
REMARK: EC Classification = Highly corrosive (causes severe burns).

**Ingestion:** Schedule 4 toxic substance.

**Inhalation:**

## Section 12: Ecological Information

SPECIES: Oncorhynchus mykiss (Fish, fresh water) ;TYPE OF EXPOSURE: Static; DURATION: 96 hr  
ENDPOINT: LC50; VALUE: 45.4 mg/l

SPECIES: Ceriodaphnia dubia Water flea; TYPE OF EXPOSURE: ;DURATION: 48 hr  
ENDPOINT: EC50 ;VALUE: 40.38 mg/l

SPECIES: Rabbit ; ENDPOINT: LD50 ; VALUE: 1350 mg/kg bw

## Section 13: Disposal Considerations

Dispose through Licensed Disposal Company

## Section 14: Transport Information

**UN No:** 3266  
**Proper Shipping Name:** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.  
**Dangerous Goods Class:** 8  
**Subsidiary risk**  
**Packing Group:** II  
**Hazchem Code:** 2X



## Section 15: Regulatory Information

**HSNO Approval No:** HSR002526  
**Group Standard:** Cleaning Product(Corrosive)  
**HSNO Classes:** 6.1D, 8.1A, 8.2B, 8.3A, 9.1D, 9.3C

## Section 16: Other Information

**New Zealand National Poison Information Centre (24 hours): 0800 POISON [764 766]**  
**New Zealand Emergency Services: 111**

**For General Information:** John Crombie, Manager, Marketing Chemicals Ltd,  
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End of Safety Data Sheet.

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