

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: 2 Rymer Place, Mangere Bridge
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 25 October 2014

Section 2: Hazard Identification



DANGER:

- Harmful if swallowed.
- 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.

HSNO Classes: 6.1D(oral), 6.1E(Dermal), 8.1A, 8.2B, 8.3A, 9.1D

Group Standard: Cleaning Product (Corrosive)

Prevention Statements:

- Keep out of reach of children.
- Read label before use.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Wear protective gloves and eye/face protection.
- Keep only in original container.
- Do not breathe fume/gas/mist/vapours/spray.

Response Statements

- If medical advice is needed, have product container or label at hand.
- Immediately call a POISON CENTER or doctor/physician.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- Absorb spillage to prevent material damage.
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- Wash contaminated clothing before reuse.
- IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

Storage Statements

- Store in corrosive resistant container with a resistant inner liner.
- Store locked up.

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

| | |
|--------------------|--|
| Eyes: | 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. |
| Skin: | 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. |
| Ingestion: | Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. |
| Inhalation: | 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

| | |
|-----------------------------------|---------------|
| Flash Point: | Not available |
| Auto ignition Temperature: | Not available |

Flammable Limits in Air % by Volume: Not available

Extinguishing Media: All

Fire Fighting Instructions:

Unusual Fire and Explosion Hazards:

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

Handling & Storage: 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^o C during addition. Do NOT store near strong acids.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: General (mechanical) room ventilation is considered satisfactory in enclosed spaces.

Eye / Face Protection: Where there is potential for eye contact, wear a face shield, chemical goggles, and have eye flushing equipment immediately available.

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°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.

Skin: SPECIES: Rabbit; ENDPOINT: LD50; VALUE: 1350 mg/kg
SPECIES:
RESULT: Corrosive irritant.
SPECIES: Mouse; RESULT: Highly corrosive.
REMARK: EC Classification = Highly corrosive (causes severe burns).

Ingestion:
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. Small quantities could be released to water-ways with plenty of water.

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: III
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,
Phone: +64 (09) 634 3862 / +64 (0)27 473 6008
Fax : +64 (09) 634 3864

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End of Safety Data Sheet.