

# MATERIAL SAFETY DATA SHEET

## IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Company: Mackay Cleaning Supplies  
Address: Unit 1 Concept Place, 25 Transport Avenue, Paget, Mackay, QLD, 4740  
Phone: 07 4952 2833 Fax:07 4952 6373  
Emergency Telephone Number: Poisons Information Centre 131126 or company 07 4952 2833

### Product Name: Red Hot

Other Names: Red Hot  
Manufacturer's Product Code: n/a  
Recommended Use: Heavy Duty Liquid Detergent

## HAZARDS IDENTIFICATION

**CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA  
CLASSIFIED DANGEROUS GOODS ACCORDING TO THE CRITERIA OF THE ADG CODE FOR  
TRANSPORT**

Risk Phrases: *R 35.*

Safety Phrases: S2-26-37/39-45

## COMPOSITION / INFORMATION ON INGREDIENTS

### INGREDIENTS

<i>Chemical Entity</i>	<i>CAS Number</i>	<i>Proportion</i>	<i>(%)</i>
Potassium Hydroxide	1310-58-3		10 – 30
Sodium Hydroxide	1310-73-2		10 - 30
Triethanolamine	102-71-6		< 10
Surfactant	n/a		< 10
Sequestrants	n/a		< 10
Ingredients determined not to be hazardous			to 100

## FIRST AID MEASURES

### FIRST AID TREATMENT

**Swallowed:** If swallowed, **DO NOT** induce vomiting. Give a glass of water to drink and seek medical advice immediately.

**Eye:** If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor urgently.

**Skin:** If skin contact occurs, remove contaminated clothing and wash skin thoroughly. Wash clothing before reuse.

**Inhaled:** Remove victim from exposure if safe to do so. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume a comfortable position and keep warm. Seek medical assistance if symptoms persist.

**First Aid facilities:** Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.

**Advice to Doctor:** Corrosive. May cause stricture. If lavage is performed, endotracheal and/or esophagosopic control is suggested. Material is strong alkali. If skin burns are present, treat as any thermal burn after decontamination. Eye irrigation may be necessary for extended period of time to remove as much alkali as possible. Duration of irrigation and treatment is at the discretion of attending medical personnel. No specific antidote. Supportive care suggested. Treatment based on judgment of attending physician and reaction of patient.

**Additional Information:** None available.

## FIRE FIGHTING MEASURES

**Fire/Explosion Hazard:** This product is not combustible. Fire fighters to wear self-contained breathing apparatus in the event

of a fire. Use water fog, or fine spray mist to extinguish.

**Additional Information:** Hazchem code 2X.

## ACCIDENTAL RELEASE MEASURES

**Spills and Disposal:** Spills may be slippery. Remove non-essential personnel from the area. Ensure that any acids or other products of incompatible classes near the spill are removed. Dam and recover. Prevent entry into drainage systems, sewers and waterways. Collect with inert absorbent material such as sand or earth. Consult Local Authority on disposal.

#### HANDLING AND STORAGE

**Precautions for Safe Handling and Storage:** Classified Dangerous Goods for storage. When not being used, the product containers should be stored upright, and secured with the original closure. If transfer to another container becomes necessary, ensure that the container is clearly labelled, the container is of a type suitable for the product, and is clean and free of other materials. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands.

**Dispensing:** Always use clean and dry equipment to dispense the product. Dispensers should be cleaned before and after use. All dispensers should be washed out after use.

**Flammability:** Non-combustible material.

#### EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Standards:** There are no exposure standards available for this product. However, Worksafe Australia has set exposure standards for the following components of the product:

5 mg/m<sup>3</sup> - Triethanolamine

2 mg/m<sup>3</sup> - Potassium Hydroxide

2 mg/m<sup>3</sup> - Sodium Hydroxide

**Personal Protective Equipment:** Use sensible work practices that reduce operator exposure to the product. Protective clothing and equipment must be worn: chemically impervious gloves, safety glasses, overalls, waterproof apron and rubber boots. Respiratory protection should be used if there is a risk of exposure to high vapour concentrations. Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.

**Engineering Controls:** Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists. Keep containers closed when not in use.

#### IDENTIFICATION

##### PHYSICAL DESCRIPTION / CHEMICAL PROPERTIES

Appearance	Brown Liquid
Odour	Chemical odour
Boiling Point (°C):	Not measured
Vapour Pressure (mmHg @ 20°C):	Not measured
Specific Gravity (g/ml @ 25°C):	1.15 – 1.25
Flashpoint (°C):	None
Flammability Limits (%):	Non flammable
Solubility in Water	Miscible with water
pH:	> 12

##### STABILITY AND REACTIVITY

**Reactivity Hazards:** Do not store near high heat sources or acids. Will react violently with acids, generating heat.

#### TOXICOLOGICAL INFORMATION

##### HEALTH EFFECTS

*Acute:*

**Swallowed:** Corrosive. Will cause severe irritation and possible chemical burns to the mouth and digestive tract. May cause nausea, diarrhoea and vomiting.

**Eye:** Will cause severe irritation, reddening and possible permanent damage.

**Skin:** Will cause irritation and possible chemical burns to the skin

**Inhaled:** Inhalation of mists will cause severe irritation and possible chemical burns to the respiratory tract and nasal passages.

**Chronic:** Reversible liver and kidney damage has been demonstrated in animals from chronic exposure to Triethanolamine.

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**Skin:** If skin contact occurs, remove contaminated clothing and wash skin thoroughly. Wash clothing before reuse.

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## ECOLOGICAL INFORMATION

**Ecotoxicity:** Concentrated product will harm environment. Ensure concentrated product is diluted well with water and neutralised before disposal as per Local Authority regulations.

## DISPOSAL CONSIDERATIONS

**Disposal Methods:** Dispose of as hazardous waste in an authorized hazardous waste facility in accordance with local, state and federal regulations. Dilution with water and neutralisation is the preferred method of disposal.

## TRANSPORT INFORMATION

UN Number: 1760

Proper Shipping Name: Corrosive Liquid N.O.S. (Alkaline) Class: 8

Subsidiary Risk: None allocated

Packing Group: II Hazchem Code: 2X

## REGULATORY INFORMATION

Poisons Schedule: 6      Hazardous substances

R 35                      Causes severe burns

S 2                        Keep Out of Reach of Children

S 26                      In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 37/39                  Wear suitable gloves and eye / face protection

S 45                      In case of accident or if you feel unwell, seek medical advice immediately

[show the label whenever possible]

## OTHER INFORMATION

Further Information may be obtained by contacting the company on 07 4952 2833.

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.