

MATERIAL SAFETY DATA SHEET

Date of Issue: 14/01/2008

STATEMENT OF HAZARDOUS NATURE

Hazardous according to criteria of Work safe Australia. This product becomes non-hazardous at concentrations below 1%.

COMPANY DETAILS

Company: Jaegar Australia
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IDENTIFICATION

PRODUCT NAME: Eco-Tuff
Other Names: Liq. Alkaline Additive
Manufacturer's Code: LD-101
Un No: 1824
Dangerous Goods Class & Subsidiary Risk: 8A1
Hazchem Code: 2R
Poisons Schedule: 6
Use: Heavy duty liquid detergent

PHYSICAL DESCRIPTION/PROPERTIES

Appearance: Colourless caustic liquid
Boiling Point: Not Available
Melting Point: Not Available
Explosive Limits: Not Available
Vapour Pressure: Not available
Specific Gravity: Not Available
Flash Point: Not flammable
Flammability Limits: Not flammable
pH: 14 (10% Solution)
Solubility in water: Miscible in all proportions
Form: Liquid

Other Properties:

Corrosiveness: Mildly corrosive to non-ferrous metals.
Reactivity: Contact with combustible material may cause fire.
PH (undiluted): 14.0

INGREDIENTS

Chemical name and CAS No as defined by the NOHSC Code 1008 list all hazardous substances. Other ingredients which are determined to be non-hazardous are listed by generic name or as "other ingredients determined not to be hazardous".

CHEMICAL NAME	CAS NO	PROPORTION
Sodium Hydroxide	N/A	>30%
Complex Phosphates	N/A	<10%
Surfactants	N/A	<10%

HEALTH HAZARD INFORMATION

Health Effects

Acute:

SWALLOWED: Corrosive causes burns to mouth, throat and gastro- intestinal tract.
EYE: Very corrosive. Causes severe burn. Risk of serious damage to eyes.
SKIN: Corrosive. Causes burn.
INHALED: Corrosive dust.
CHRONIC: Prolonged exposure to low concentration solutions may cause irritation to skin, eyes and mucous membranes.

FIRST AID

SWALLOWED: Immediately contact a Doctor or Poisons Information Centre on 131126 (Aust. Wide). **DO NOT** induce vomiting. Give a glass of water. Repeat if vomiting occurs. If the patient is not fully conscious do not give anything by mouth.
EYE: In case of contact with eyes, remove contact lenses if worn. Immediately hold eyelid open and flood with plenty of water. Contact a doctor or Poisons Information Centre. Get urgent medical attention.
SKIN: Remove all contaminated clothing and footwear immediately. Wash skin thoroughly with water. Launder all contaminated clothing thoroughly before re-use.
INHALED: Remove victim to fresh air. Avoid becoming a casualty. Allow patient to assume most comfortable position and keep warm. Seek medical attention.

First Aid Facilities: Eyewash. Fresh water.
Advice to Doctor: Caustic product. Treat chemical burns if present.

PRECAUTIONS FOR USE

EXPOSURE: Peak Limitation for Sodium Hydroxide is 2mg/m³
ENGINEERING CONTROLS: Avoid generating and inhaling mists at concentrations above 1.6% without appropriate ventilation.
PERSONAL PROTECTION: Avoid contact with the skin and eyes. Avoid breathing its mist. Wear face shield, overalls or apron, protective footwear and natural rubber or PVC gloves when using undiluted product.
FLAMMABILITY: Non-flammable or combustible

SAFE HANDLING INFORMATION

STORAGE & TRANSPORT: Store in a cool, dry place away from direct sunlight. Store in a well ventilated area. Keep containers closed when not in use. Designated a Corrosive Class 8 by the A.D.G Code (Road & Rail). Designated a Schedule 6 Poison and must be stored, maintained and used in accordance with the relevant regulations.
SPILLS & DISPOSAL: May be flushed to sewer with water but prevent larger spillages from entering stormwater drains or watercourses. To contain spillage, absorb on vermiculite or similar absorbing material, in drums. Residues may be flushed away with water.
FIRE/EXPLOSION HAZARD: Use water fog, foam or dry agent. Dilute. Wash to drain with large quantities of water. Wear full body protective gloves.
EXTINGUISHING MEDIA: Jets, Fog (or if unavailable, fine water spray) Foam or Dry Agent (carbon dioxide, dry chemical powder).

OTHER INFORMATION:

The Peak Limitation quoted above is the Work safe Adopted National Exposure Standard for the maximum or peak airborne concentration over the shortest analytically practicable period of time, which does not exceed 15 minutes.

This MSDS is valid for five; years from date of issue but readers should contact Jaegar Australia to ensure that this is the latest issue. As per the Work safe Guidance Note NOHSC 3017, each user should review the information in the specific context of the intended application.

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