

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 3.3%.

COMPANY DETAILS

Company Jaegar Australia
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IDENTIFICATION

PRODUCT NAME: Tombstone
Other Names:
Manufacturer's Code: RS-114
Un No: 1727
Dangerous Goods Class & Subsidiary Risk: Corrosive 8
Hazchem Code: 2X
Poisons Schedule: N/A
Use: For rapid removal of algal growth from siliceous stone, marble, granite and cement.

PHYSICAL DESCRIPTION/PROPERTIES

Appearance: White Crystalline Powder
Melting Point: N/A
Vapour Pressure: N/A
Specific Gravity: 1.50
Flash Point: N/A
Flammability Limits: N/A
Solubility in water: N/A

Other Properties:

Corrosiveness: Corrosive to most metals.
Reactivity: Contact with combustible material may cause fire
PH (undiluted): 4.0

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
Ammonium Hydrogen Fluoride	N/A	>98
Ammonium Fluoride	N/A	% <2%

HEALTH HAZARD INFORMATION

Health Effects

Acute: .

SWALLOWED: Corrosive and poisonous. Causes burns to mouth throat and gastro intestinal tract.
EYE: Corrosive. Contact with eyes may cause blindness.
SKIN: Corrosive. Toxic when in contact with the skin.
INHALED: Corrosive mist.

FIRST AID

SWALLOWED: Contact a doctor or Poisons Information Centre urgently. Give patient plenty of milk or water to drink. Do NOT induce vomiting. If patient is not fully conscious do not give anything by mouth.

EYE: If contacted in the eye, remove contact lenses if worn and immediately flood eyes with cold running water for at least 15 minutes. Get urgent medical attention.

SKIN: Remove all contaminated clothing and wash skin thoroughly with water. Launder all contaminated clothing before re-use.

INHALED: Remove patient from contaminated area to fresh air. Seek medical attention.

First Aid Facilities: Eye wash. Fresh water.

PRECAUTIONS FOR USE

EXPOSURE: TLV (as Fluoride) 2.5mg/m³

ENGINEERING CONTROLS: Not applicable

VENTILATION: Use in a well ventilated area.

PERSONAL PROTECTION: Avoid contact with the skin and eyes. Avoid breathing its mist. Wear face shield, overalls or apron and protective footwear. Wear natural rubber, neoprene, nitrile or PVC gloves when using undiluted product. If risk of inhalation of spray mists exists, wear respiratory mask meeting the requirements of AS 1715 and AS 1716.

FLAMMABILITY: Not flammable

SAFE HANDLING INFORMATION

STORAGE & TRANSPORT: Keep lid tightly on container. Corrosive 8, 6.1(a). Poisonous. Packaging Group II, UN No 1727. Hazchem 2X. Product should be stored and transported in accordance with State and Territory Dangerous Goods Regulations.

SPILLS & DISPOSAL: Solid. Sweep up product with broom and bucket. Collect into properly labelled drums and contact local authorities with regard to correct disposal. Flush area with copious amounts of water.

FIRE/EXPLOSION HAZARD: Non-flammable. Attack many metals forming combustible gas. (Hydrogen).

OTHER INFORMATION:

The Time Weighted Average (TWA) quoted above is the Work safe Adopted National Exposure Standard for the average airborne concentration when calculated over a normal eight-hour working day, for a five-day working week.

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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