

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: Tram & Train Wash

Other Names:

Manufacturer's Code: RS-113

Un No: 1760

Dangerous Goods Class

& Subsidiary Risk: 8

Hazchem Code: 2R

Poisons Schedule: S6

Use: Oxalic Acid based train wash.

PHYSICAL DESCRIPTION/PROPERTIES

Appearance: Pale clear liquid
Melting Point: N/A
Vapour Pressure: N/A
Specific Gravity: N/A
Flash Point: N/A
Flammability Limits: N/A
Solubility in water: 100%

Other Properties:

Corrosiveness: Corrosive to most metals.
Reactivity: Contact with combustible material may cause fire

PH (undiluted): 1.0

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
Oxalic Acid	144-62-7	>20%
Surfactants		>10%
Sequestrants		>5%
Corrosion Inhibitors		>5%
Water	7732-18-5	Balance

HEALTH HAZARD INFORMATION

Health Effects

Acute:

SWALLOWED: Corrosive and poisonous. Causes burns to mouth, throat and gastro-intestinal tract.

EYE: Very corrosive. Causes severe burns. Risk of serious damage to eyes.

SKIN: Corrosive. Causes burns.

INHALED: Corrosive mist.

CHRONIC: Prolonged exposure to low concentration solutions may cause irritation to skin, eyes and mucous membranes.

FIRST AID

SWALLOWED: Contact a Doctor or Poisons Information Centre. 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, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. Get urgent medical attention.

SKIN: Remove contaminated clothing and wash skin thoroughly with water.

INHALED: Remove from contaminated area.

First Aid Facilities: Eye wash. Fresh water.

Advice to Doctor: Acidic product. Ulceration could be delayed so for eye contact or ingestion, patient should be re-checked.

PRECAUTIONS FOR USE

EXPOSURE: TWA for Oxalic Acid is 1mg/m³

ENGINEERING CONTROLS: Avoid generating and inhaling mists at concentrations above 3.3% without appropriate ventilation.

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 or combustible

SAFE HANDLING INFORMATION

Storage and Transport: Dangerous Goods Class 8 – must be stored and transported in accordance with State or Territory dangerous goods regulations.

Spills and Disposal: Absorb on vermiculite or similar absorbing material and collect in drums. Small spills may be flushed away with water.

Fire/Explosion Hazard: Use water fog, foam or dry agent danger of violent reaction or explosion. Wear full body protective clothing with breathing apparatus and protective gloves. Dilute. Wash to drain with large quantities of water. Consider evacuation.

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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