

# 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  
Address: 2/9 Tower Crt, Noble Pk 3174  
Telephone: (03) 9769-1788  
Fax: (03) 9769-0655  
Emergency Telephone: 0408 347 425

## IDENTIFICATION

**PRODUCT NAME:** DairyChem RS-105  
**Other Names:** Steel Bright  
**Manufacturer's Code:** RS-105  
**Un No:** 2031  
**Dangerous Goods Class & Subsidiary Risk:** Corrosive 8  
**Hazchem Code:** 2PE  
**Poisons Schedule:** 6  
**Use:** Acidic detergent for dairies.

## PHYSICAL DESCRIPTION/PROPERTIES

Appearance: Colourless Acidic Liquid  
Melting Point: Below 0°C  
Vapour Pressure: N/A  
Specific Gravity: 1.2  
Flash Point: N/A  
Flammability Limits: N/A  
Solubility in water: Miscible in all proportions.

## Other Properties:

Corrosiveness: Corrosive to most metals.  
Reactivity: Contact with combustible material may cause fire  
PH (undiluted): 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
Phosphoric Acid	7664-38-2	10% to 30%
Nitric Acid	7697-37-2	20% to 70%
Surfactants	N/A	Less than 10%
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 the eyes.

**SKIN:** Corrosive. Causes burns.

**INHALED:** Corrosive mist produced.

**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 urgently. DO NOT induce vomiting. Give patient a glass of water. Repeat if vomiting occurs. If the patient is not fully conscious do not give anything by mouth.

**EYE:** Remove contact lenses if worn. Wash eyes immediately with plenty of fresh water, and contact a doctor or Poisons Information Centre. Get urgent medical attention.

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

**INHALED:** Remove patient from contaminated area Preferably into fresh air.

**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 Nitric Acid is 2ppm. TWA for Phosphoric Acid is 1 mg/m3.

**ENGINEERING CONTROLS:** Not applicable.

**VENTILATION:** Ensure adequate ventilation. 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

## SAFE HANDLING INFORMATION

**STORAGE & TRANSPORT:** Dangerous Goods Class 8. Must be stored and transported in accordance with State or Territory dangerous goods regulations.

**SPILLS & DISPOSAL:** Absorb on vermiculite or similar absorbing material. Put into properly labelled drums and contact local authorities with regards to correct disposal. 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 Jaeger 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.

**CONTACT POINT:** General Manager (0408 347 425)  
Office: (03) 9769-1788