

MATERIAL SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: COIL-TRATE

Manufacturer's Product Code: 0065

Other Names: Aqueous alkaline coil cleaner.

Major Recommended Uses: For the cleaning of air conditioning coils, heat exchanger coils and air filters to remove dirt, mud, silt and grime.

Supplier's Details: Chemsearch Australia
5 Ralph Street, Alexandria
Sydney NSW 2015
Telephone Number (Office Hours): (02) 9669 0260
Fax Number: (02) 9693 1562
Emergency Telephone Number: (02) 9214 0755

Date of Issue: Feb 2010

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification: Classified as hazardous according to the criteria of NOHSC.

Dangerous Goods Class & Sub-risk: None allocated.

Poisons Schedule: Schedule 5.

Risk Phrases: Irritating to eyes.

Safety Phrases: Keep out of reach of children.
Wear suitable eye protection. In case of contact with eyes, rinse immediately with water and seek medical advice if irritation develops.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

| Chemical Entity | CAS No | Proportion |
|--|---------------|-------------------|
| Potassium hydroxide | 1310-58-3 | <10% |
| Triethanolamine | 102-71-6 | <10% |
| 'Ingredients determined not to be hazardous' | | to 100% |

SECTION 4 – FIRST AID MEASURES

Skin: Wash affected areas with soap and running water for several minutes. Seek medical attention if irritation develops.

Eye: Rinse the eyes with water for several minutes, including under the eyelids. Seek medical attention if irritation develops.

Inhalation: Not usually a hazard. Remove victim to fresh air and seek medical attention if respiratory irritation develops or if breathing becomes difficult.

Ingestion: If swallowed do not induce vomiting. Give water, and give water again if vomiting occurs. Seek medical attention if discomfort occurs.

First Aid Facilities: An eye wash station and wash room should be available.

Advice to Doctor: There is no specific antidote. Treat the patient symptomatically.

Additional Information: Medical conditions aggravated by exposure are pre-existing respiratory and skin conditions such as asthma, emphysema and dermatitis. Target organs: None known. There is no primary route of entry into the body. The primary routes of exposure are skin and eye contact.

SECTION 5 – FIRE FIGHTING MEASURES

Product is non-flammable.

Suitable Extinguishing Media: Use foam, dry chemical, CO₂ or water spray to extinguish fire. Extinguishing media should be chosen based on the nature of the surrounding fire.

Special Protective Equipment and Precautions for Fire Fighters: Fire fighters should wear self-contained breathing apparatus and full protective gear.

Fire/Explosive Hazards: Use water spray to cool fire exposed containers to prevent bursting. Spills may be slippery.

Hazchem Code: None allocated.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spills may be slippery.

Methods and Materials for Containment and Clean Up:

Shut off source of leak, and dyke and contain spill. Absorb spills with an inert material and dispose of waste in a labelled container in accordance with EPA, local, state and Commonwealth regulations. Flush area with water. No neutralising agent required. Uncontaminated spilled material may be reused.

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling: Observe precautions stated on product label, and follow industry safety regulations. Always wash thoroughly after contact with the product and before eating, drinking or using toilet facilities.

Conditions for Safe Storage: Store material indoors in its original, closed container when not in use. Keep product from freezing; slowly warm to room temperature and stir thoroughly before use.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards: There is no specific information on this product. The limits for the pure ingredients are:

| | |
|----------------------|-----------------------------|
| Potassium hydroxide: | TWA - 2 mg/m ³ . |
| Triethanolamine: | TWA - 5 mg/m ³ . |

Engineering Controls: General ventilation is usually adequate.

Personal Protective Equipment:

Eye/Face Protection: Safety glasses should be worn if the method of application presents the likelihood of eye contact. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337-*Eye Protectors for Industrial Applications*.

Skin Protection: Neoprene or nitrile rubber gloves should be worn if repeated or prolonged skin contact is likely. Reference should be made to AS/NZS 2161 *Occupational protective gloves- Selection, use and maintenance*. Wear general duty work clothing and shoes.

Respiratory Protection: None required under normal conditions of use.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------------|---|
| Appearance | :Transparent, light amber, semi viscous liquid with no odour. |
| pH (100%) | :8.5 – 9.0 |
| Boiling Point | :99°C |
| Vapour Pressure | :18mm Hg |
| Vapour Density | :0.63 (Air = 1) |
| Solubility in Water (g/L) | :Complete. |
| Specific Gravity | :1.04 (Water = 1) |
| Flashpoint | :N/A |
| Flashpoint Method | :P.M.C.C. |
| Flammability Limits (%) | :LEL – Not applicable; UEL – Not applicable |
| % Volatile by volume | :86 |
| Evaporation Rate | :0.1 (Butyl acetate = 1) |
| H ₂ O Solubility | :Complete |

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.

Hazardous Polymerisation: Will not occur.

Conditions/Materials to Avoid: Strong oxidising agents such as chlorine bleach and concentrated hydrogen peroxide; strong acids.

Hazardous Decomposition Products: Oxides of carbon.

SECTION 11 – TOXICOLOGICAL INFORMATION

Health Effects:

Acute - Swallowed: Ingesting large amounts may result in nausea, vomiting and diarrhoea.

Acute - Eye: Direct contact with eyes may cause irritation seen as stinging, tearing and redness.

Acute - Skin: Not usually a problem in normal use, but skin irritation seen as itching and slight reddening may occur.

Acute - Inhaled: Typically not a hazard.

Chronic: No chronic effects known. Medical conditions aggravated by exposure are pre-existing respiratory and skin conditions such as asthma, emphysema and dermatitis. There is no primary route of entry into the body. The primary routes of exposure are skin and eye contact.

Target Organs: None known.

Product Contains Chemicals Listed as Carcinogens by:

International Agency for the Research of Cancer (IARC): NO Other: NO

- - - - -

SECTION 12 – ECOLOGICAL INFORMATION

No specific toxicology data on this product is available. When used as indicated, no adverse environmental effects are foreseen. No biological limit allocated.

Persistence/Degradability: This substance is biodegradable.

Mobility: Soluble in water.

- - - - -

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of waste in a closed, labelled container in accordance with EPA, local, state and Commonwealth laws.

- - - - -

SECTION 14 – TRANSPORT INFORMATION

UN Number: None allocated.

UN Proper Shipping Name: None allocated.

Transport Hazard Class: Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Packaging Group: None allocated.

Hazchem Code: None allocated.

- - - - -

SECTION 15 - REGULATORY INFORMATION



Poisons Schedule: Schedule 5 ; IRRITANT (Irritating to eyes)

- - - - -

SECTION 16 – OTHER INFORMATION

Initial copy of 16-header MSDS.

Since the user's working conditions are not known by the supplier, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The product must not be used for any purposes other than those specified in Section 1 without first obtaining written handling instructions. CHEMSEARCH AUSTRALIA assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such non-recommended use, storage or disposal of the product.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties.