

Material Safety Data Sheet

Product Name **CAFCO FENDOLITE MII, TG**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name PROMAT AUSTRALIA PTY LTD
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Web Site <http://www.promat-ap.com/>
Synonym(s) FENDOLITE MII, TG
Use(s) CEMENT BASED FIRE PROTECTIVE PRODUCT • FIRE PROTECTION
MSDS Date 15 Jan 2009

2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO ASCC CRITERIA

RISK PHRASES

R36/37/38 Irritating to eyes, respiratory system and skin.
R41 Risk of serious damage to eyes.

SAFETY PHRASES

S22 Do not breathe dust.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 After contact with skin, wash immediately with plenty of water.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S38 In case of insufficient ventilation, wear suitable respiratory equipment.

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

| | | | | | |
|----------------------|----------------|---------------------|----------------|---------------------------|----------------|
| UN No. | None Allocated | DG Class | None Allocated | Subsidiary Risk(s) | None Allocated |
| Packing Group | None Allocated | Hazchem Code | None Allocated | EPG | None Allocated |

3. COMPOSITION/ INFORMATION ON INGREDIENTS

| Ingredient | Formula | CAS No. | Content |
|-----------------|---------------|---------------|---------------|
| PORTLAND CEMENT | Not available | 65997-15-1 | 30-60% |
| ADDITIVE(S) | Not Available | Not Available | Not Available |

4. FIRST AID MEASURES

Eye If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.

Inhalation If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

Skin If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a doctor.

Ingestion For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

Advice to Doctor Treat symptomatically

5. FIRE FIGHTING MEASURES

| | |
|---------------------------|--|
| Flammability | Non flammable. |
| Fire and Explosion | Non flammable. No fire or explosion hazard exists. |
| Extinguishing | Non flammable. |
| Hazchem Code | None Allocated |

6. ACCIDENTAL RELEASE MEASURES

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|-----------------|--|
| Spillage | If spilt, collect and reuse where possible. Use personal protective equipment. Contain spillage, then cover / absorb spill with non-combustible absorbant material (vermiculite, sand, or similar), collect and place in suitable containers for disposal. |
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7. STORAGE AND HANDLING

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|-----------------|---|
| Storage | Store in cool, dry, well ventilated area, removed from incompatible substances, moisture and foodstuffs. Ensure packages are adequately labelled, protected from physical damage and sealed when not in use. |
| Handling | Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas. |

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

| Exposure Stds | Ingredient | Reference | TWA | | STEL | |
|---------------|-----------------|------------|-----|-------|------|-------|
| | | | ppm | mg/m3 | ppm | mg/m3 |
| | Portland Cement | ASCC (AUS) | -- | 10 | -- | -- |

Biological Limits No biological limit allocated.

Engineering Controls Avoid inhalation. Use in well ventilated areas. Maintain dust levels below the recommended exposure standard.

PPE Wear dust-proof goggles and rubber or PVC gloves. When using large quantities or where heavy contamination is likely, wear: rubber boots and coveralls. Where an inhalation risk exists, wear: a Class P1 (Particulate) respirator.



9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---------------------------------|-----------------------|------------------------------|------------------|
| Appearance | GREY POWDER | Solubility (Water) | INSOLUBLE |
| Odour | ODOURLESS | Specific Gravity | NOT AVAILABLE |
| pH | 12.0 to 12.5 (Slurry) | % Volatiles | NOT AVAILABLE |
| Vapour Pressure | NOT AVAILABLE | Flammability | NON FLAMMABLE |
| Vapour Density | NOT AVAILABLE | Flash Point | NOT RELEVANT |
| Boiling Point | NOT AVAILABLE | Upper Explosion Limit | NOT RELEVANT |
| Melting Point | NOT AVAILABLE | Lower Explosion Limit | NOT RELEVANT |
| Evaporation Rate | NOT AVAILABLE | | |
| Autoignition Temperature | NOT RELEVANT | Bulk Density | 400 to 440 kg/m3 |

10. STABILITY AND REACTIVITY

| | |
|---|--|
| Chemical Stability | Stable under recommended conditions of storage. |
| Conditions to Avoid | Avoid contact with incompatible substances. |
| Material to Avoid | Compatible with most commonly used substances. |
| Hazardous Decomposition Products | May evolve toxic gases if heated to decomposition. |
| Hazardous Reactions | Polymerization is not expected to occur. |

11. TOXICOLOGICAL INFORMATION

| | |
|------------------------------|--|
| Health Hazard Summary | Irritant - slightly corrosive. This product has the potential to cause adverse health effects with over exposure. Use safe work practices to avoid eye or skin contact and inhalation. May cause irritation of the mucous membranes and upon direct skin contact. Crystalline silica inhaled in the form of quartz or cristobalite from occupational / workplace sources is carcinogenic to humans (Group 1). GENERAL NOTE: AS MOST BUILDING PRODUCTS, THIS PRODUCT CONTAINS QUARTZ. MECHANICAL MACHINING (CUTTING, SANDING, DRILLING) OF BUILDING PRODUCTS WILL RELEASE DUST WHICH MAY CONTAIN QUARTZ PARTICLES. HOWEVER, FOR THIS PRODUCT, WITH EXPOSURE ASSESSMENTS PERFORMED BY ACCREDITED EUROPEAN LABORATORIES USING REFERENCE WORKPLACE MONITORING METHODS, ANY QUARTZ LEVELS IN THE RESPIRABLE DUST WERE BELOW THE DETECTION LIMIT. INHALATION OF HIGH CONCENTRATIONS OF DUST MAY IRRITATE THE AIRWAYS. DUST MAY ALSO CAUSE IRRITATION TO THE EYES AND/OR SKIN. INHALATION OF RESPIRABLE DUST CONTAINING QUARTZ, IN HIGH CONCENTRATIONS OR OVER PROLONGED PERIODS OF TIME CAN LEAD TO LUNG DISEASE (SILICOSIS) AND AN INCREASED RISK OF LUNG CANCER. AVOID THE INHALATION OF DUST BY USING MACHINERY WITH DUST EXTRACTION. GUARANTEE ADEQUATE VENTILATION ON THE WORK FLOOR. AVOID CONTACT WITH THE EYES AND SKIN AND AVOID INHALATION OF DUST BY WEARING THE APPROPRIATE PERSONAL PROTECTION GEAR (SAFETY GOGGLES, PROTECTIVE CLOTHING AND DUST MASK). |
| Eye | Slightly corrosive - irritant. Contact may result in irritation, lacrimation, pain, redness, conjunctivitis and possible burns. |
| Inhalation | Slightly corrosive - irritant. Over exposure may result in mucous membrane irritation of nose and throat and coughing. |
| Skin | Irritant - slightly corrosive. Contact with powder or wetted form may result in rash and dermatitis. |
| Ingestion | Slightly corrosive. Ingestion may result in ulceration and burns to the mouth and throat, nausea, vomiting, abdominal pain and diarrhoea. |
| Toxicity Data | No LD50 data available for this product. |

12. ECOLOGICAL INFORMATION

| | |
|--------------------|--|
| Environment | Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment. |
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13. DISPOSAL CONSIDERATIONS

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|-----------------------|---|
| Waste Disposal | No special precautions are required for the disposal of this product. |
| Legislation | Dispose of in accordance with relevant local legislation. |

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

| | | | | |
|----------------------|----------------|---------------------|----------------|--|
| Shipping Name | None Allocated | | | |
| UN No. | None Allocated | DG Class | None Allocated | Subsidiary Risk(s) None Allocated |
| Packing Group | None Allocated | Hazchem Code | None Allocated | EPG None Allocated |

15. REGULATORY INFORMATION

| | |
|------------------------|---|
| Poison Schedule | A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP). |
| AICS | All chemicals listed on the Australian Inventory of Chemical Substances (AICS). |

16. OTHER INFORMATION

Additional Information

RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

CEMENT CONTACT DERMATITIS Individuals using wet cement, mortar, grout or concrete could be at risk of developing cement dermatitis. Symptoms of exposure include itchy, tender, swollen, hot, cracked or blistering skin with the potential for sensitisation. The dermatitis is due to the presence of soluble (hexavalent) chromium.

ABBREVIATIONS:

ADB - Air-Dry Basis.

BEI - Biological Exposure Indice(s)

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

CNS - Central Nervous System.

EINECS - European INventory of Existing Commercial chemical Substances.

IARC - International Agency for Research on Cancer.

M - moles per litre, a unit of concentration.

mg/m3 - Milligrams per cubic metre.

NOS - Not Otherwise Specified.

NTP - National Toxicology Program.

OSHA - Occupational Safety and Health Administration.

pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).

ppm - Parts Per Million.

RTECS - Registry of Toxic Effects of Chemical Substances.

TWA/ES - Time Weighted Average or Exposure Standard.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this Chem Alert report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

Report Status

This document has been compiled by RMT on behalf of the manufacturer of the product and serves as the manufacturer's Material Safety Data Sheet ('MSDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer.

While RMT has taken all due care to include accurate and up-to-date information in this MSDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this MSDS.

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End of Report