

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name PROMATECT-H

Synonyms FYREGUARD PROMATECT H, H PROMATECT, NEW TACFIRE, PH - MANUFACTURER'S CODE.

Uses FIRE PROTECTION.

Supplier Name PROMAT AUSTRALIA PTY LTD

Address 1 Scotland Road, MILE END SA, 5031, AUSTRALIA

Telephone (08) 8352 6759

Fax +61 8 8352 1014

2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA
NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Formula	Conc.	CAS No.
CEMENT		Not Available	Not Available
FILLERS		Not Available	Not Available
CALCIUM SILICATE		Not Available	1344-95-2
CELLULOSE		Not Available	9004-34-6
SAND		Not Available	Not Available

4. FIRST AID MEASURES

Eye Flush gently with running water. Seek medical attention if irritation develops.

Inhalation If over exposure occurs, leave exposure area immediately. Seek medical attention if symptoms develop.

Skin (Dust). Gently flush affected areas with water. Seek medical attention if irritation develops.

Ingestion For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor. Ingestion is considered unlikely due to product form.

Advice To Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammability Non flammable. No fire or explosion hazard exists.

Fire and Explosion Non flammable. No fire or explosion hazard exists.

Extinguishing Non flammable.

Hazchem Code None Allocated

Colour
Rating
GREEN

6. ACCIDENTAL RELEASE MEASURES

Spillage Collect and reuse where possible.

7. HANDLING AND STORAGE

Handling Use safe work practices to avoid eye or skin contact and inhalation. Observe good personal hygiene. Prohibit eating, drinking and smoking in contaminated areas. Wash hands before eating. Remove contaminated clothing and protective equipment before entering eating areas.

Storage Store in cool, dry, well ventilated area, removed from oxidising agents, acids and foodstuffs. Ensure product is adequately labelled, protected from physical damage and sealed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation Do not inhale dust/ powder. Use with adequate natural ventilation. Where a dust inhalation hazard exists, mechanical extraction ventilation is recommended. Maintain dust levels below the recommended exposure standard. Significant dust and respirable quartz may be generated during the machining of this product and efficient local exhaust ventilation at the point of dust emission is strongly recommended. respiratory protection (eg. minimum P2 particulate respirators) will be required to be worn by operators if exhaust ventilation is not effective in keeping exposures below the Exposure Standard.

Exposure Standards CALCIUM SILICATE (1344-95-2)
TWA : 10 mg/m³*
WES : 10 mg/m³

CELLULOSE (9004-34-6)
TWA : 10 mg/m³ (Inspirable dust)
WES : 10 mg/m³

PPE No personal protective equipment is normally required. If cutting or sanding with potential for dust generation, wear dust-proof goggles, a Class P1 (Particulate) Respirator and leather or cotton gloves.

NO PPE REQUIRED

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: OFF-WHITE BOARD
Odour: ODOURLESS
pH: NOT AVAILABLE
Vapour Pressure: NOT AVAILABLE
Vapour Density: NOT AVAILABLE
Boiling Point: NOT RELEVANT
Melting Point: > 1400 C
Evaporation Rate: NOT RELEVANT
Solubility (water): INSOLUBLE
Specific Gravity: NOT AVAILABLE
% Volatiles: NOT RELEVANT
Flammability: NON FLAMMABLE
Flash Point: NOT RELEVANT
Upper Explosion Limit: NOT RELEVANT
Lower Explosion Limit: NOT AVAILABLE
Autoignition Temperature: NOT AVAILABLE
Density: 800 - 900 kg/m³

**Colour
Rating
GREEN**

10. STABILITY AND REACTIVITY

Reactivity	Compatible with most commonly used materials.
Decomposition Products	May evolve toxic gases if heated to decomposition.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary	Low toxicity - irritant. Under normal conditions of use this product is not anticipated to present a hazard unless product is cut, drilled or sanded with the generation of irritating dust. Use safe work practices to avoid dust generation and inhalation. The calcium silicate in this product is in the non fibrous form and is non respirable. Sand may contain a mixture of different crystalline forms of silica, as well as amorphous silica. The crystalline forms (quartz and cristabolite) may cause lung fibrosis (silicosis) and are classified as carcinogenic to humans (IARC Group 1). The coarse granular nature of sand and product form reduces the potential for inhalation.
Eye	Not applicable. Due to product form, irritation is not expected unless cut or heated and dusts generated.
Inhalation	Not applicable. An inhalation hazard is not anticipated unless this material is cut, drilled or sanded with dust generation, which may result in mucous membrane irritation of the upper respiratory tract with over exposure.
Skin	Not applicable. If dust is generated, prolonged exposure may result in irritation, itching, redness, rash and possible dermatitis.
Ingestion	Not applicable. Due to product form, ingestion is considered highly unlikely.
Toxicity Data	CELLULOSE (9004-34-6) LC50 (Inhalation) : > 5800 mg/m ³ /4 hours (rat) LD50 (Skin) : > 2000 mg/kg (rabbit) LD50 (Ingestion) : > 5000 mg/kg (rat)

12. ECOLOGICAL INFORMATION

Environment	No specific ecotoxicity data was available for this product at the time this MSDS was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment.
--------------------	--

13. DISPOSAL CONSIDERATIONS

Waste Disposal	Reuse where possible. No special precautions are required for this product.
Legislation	Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

Transport	Not classified as a Dangerous Good according to the Australian Code for the transport of Dangerous Goods by Road and Rail.
UN Number	None Allocated
DG Class	None Allocated
Subsidiary Risk(s)	None Allocated
Packing Group	None Allocated
Hazchem Code	None Allocated

Colour
Rating
GREEN

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).

16. OTHER INFORMATION

Additional Information This product is used for internal or external fire protection applications such as internal wall and ceiling linings, suspended ceilings systems, ductwork, steel work protection and cavity barriers. The manufacturer reports that the ingredients in this product are listed on the Australian Inventory of Chemical Substances (AICS).

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.

COLOUR RATING SYSTEM: Chem Alert reports are assigned a colour rating of Green, Amber or Red for the purpose of providing users with a quick and easy means of determining the hazardous nature of a product. Safe handling recommendations are provided in all Chem Alert reports so as to clearly identify how users can control the hazards and thereby reduce the risk (or likelihood) of adverse effects. As a general guideline a Green colour rating indicates a low hazard, an Amber colour rating indicates a moderate hazard and a Red colour rating indicates a high hazard.

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. Information provided by Risk Management Technologies is summarised for ease of use. Additional technical information is available by calling +61 8 9322 1711.

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.

ABBREVIATIONS:

mg/m³ - Milligrams per cubic metre

ppm - Parts Per Million

TWA/ES - Time Weighted Average or Exposure Standard.

pH - relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline.

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

M - moles per litre, a unit of concentration.

IARC - International Agency for Research on Cancer.

MSDS Reviewed 1st January 2004

Date Printed 2nd September 2004

Report Status Chem Alert reports are compiled as an independent source of information by RMT's scientific department, based on the latest chemical and toxicological research and, where appropriate, in compliance with relevant standards, guidance notes and legislation. Where available the manufacturer's original MSDS is also provided to Chem Alert subscribers as a scanned image for their convenience. In many instances Chem Alert reports are compiled on behalf of manufacturers in which case they serve as the "Manufacturer's MSDS" and are clearly identified as such on the relevant reports.

**Colour
Rating
GREEN**

16. OTHER INFORMATION cont.

Prepared By

Risk Management Technologies
5 Ventnor Avenue, West Perth
Western Australia 6005
Phone: +61 8 9322 1711
Fax: +61 8 9322 1794
Web: www.rmt.com.au

**Colour
Rating
GREEN**