

Material Safety Data Sheet

Product Name **PROMATECT-H**

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) H PROMATECT • NEW TACFIRE • PH - MANUFACTURER'S CODE
Use(s) FIRE PROTECTION
MSDS Date 15 Jan 2009

2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO ASCC CRITERIA

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
CALCIUM SILICATE	Not Available	1344-95-2	Not Available
CELLULOSE	Not Available	9004-34-6	Not Available
CEMENT	Not Available	Not Available	Not Available
FILLER(S)	Not Available	Not Available	Not Available
SAND	Not Available	14808-60-7	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 Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). Due to product form and application, ingestion is considered unlikely.

Advice to Doctor Treat symptomatically

5. FIRE FIGHTING MEASURES

Flammability	Non flammable. May evolve toxic gases if strongly heated.
Fire and Explosion	Non flammable. No fire or explosion hazard exists.
Extinguishing	Non flammable.
Hazchem Code	None Allocated

6. ACCIDENTAL RELEASE MEASURES

Spillage	Collect and reuse where possible.
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7. STORAGE AND HANDLING

Storage	Store in cool, dry, well ventilated area, removed from oxidising agents, acids and foodstuffs. Ensure product is adequately labelled.
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
	Calcium silicate (a)	ASCC (AUS)	--	10.0	--	--
	Cellulose (paper fibre) (a)	ASCC (AUS)	--	10.0	--	--

Biological Limits No biological limit allocated.

Engineering Controls 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 (e.g. minimum P2 particulate respirators) is required to be worn by operators if exhaust ventilation is not effective in keeping exposures below the Exposure Standard.

PPE Personal Protective Equipment is not required under normal conditions of use. If cutting or sanding with potential for dust generation, wear: dust-proof goggles, leather or cotton gloves and a Class P1 (Particulate) respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

10. STABILITY AND REACTIVITY

Material to Avoid Compatible with most commonly used materials.

Decomposition 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.

GENERAL NOTE: AS FOR ALL PRODUCTS CONTAINING QUARTZ, SUCH AS CONCRETE AND CLAY, THIS PRODUCT WILL ALSO RELEASE DUST CONTAINING QUARTZ PARTICLES WHEN IT IS MECHANICALLY MACHINED (CUTTING, SANDING, DRILLING). INHALATION OF HIGH CONCENTRATIONS OF DUCT CAN IRRITATE THE AIRWAYS. DUST CAN ALSO IRRITATE THE EYES AND/OR SKIN. THE INHALATION OF QUARTZ CONTAINING DUST, IN PARTICULAR HIGH CONCENTRATION OF FINE (RESPIRABLE) DUST OR OVER A LONG PERIOD 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 INHALATION OF DUST BY WEARING APPROPRIATE PERSONAL PROTECTION GEAR (SAFETY GOGGLES, PROTECTIVE CLOTHING AND DUST MASK).

Eye Due to product form, irritation is not expected unless cut or heated and dust or fumes generated.

Inhalation Exposure considered unlikely. 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 Low irritant. Prolonged or repeated exposure to dust may result in irritation and dermatitis.

Ingestion Ingestion is considered unlikely due to product form.

Toxicity Data CALCIUM SILICATE (1344-95-2)
TDLo (Ingestion): 200 mg/kg (imp-rat) ETA
CELLULOSE (9004-34-6)
LC50 (Inhalation): > 5800 mg/m³/4 hours (rat)
LD50 (Ingestion): > 5000 mg/kg (rat)
LD50 (Intraperitoneal): > 31600 mg/kg (rat)
LD50 (Skin): > 2000 mg/kg (rabbit)

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.

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

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**

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.

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.

COLOUR RATING SYSTEM: RMT has assigned all Chem Alert reports a colour rating of Green, Amber or Red for the sole 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.

While all due care has been taken by RMT in the preparation of the Colour Rating System, it is intended as a guide only and RMT does not provide any warranty in relation to the accuracy of the Colour Rating System. As far as is lawfully possible, RMT accepts no liability or responsibility whatsoever for the actions or omissions of any person in reliance on the Colour Rating System.

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,

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PRODUCT NAME PROMATECT-H

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.

Prepared By

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End of Report