

**Safety data sheet (SDS)****1 Product information**

PRODUCT NAME	PROMATECT® 250
MARKETED BY	Promat Australia Pty Ltd
EMERGENCY CONTACT NUMBER	+61 (8) 8352 6759
USES	Fire resistant building and construction applications

**2 Hazards identification**

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE	Not classified as hazardous according to Safe Work Australia Criteria.
LABEL ELEMENTS	No signal word, pictograms, hazard or precautionary statements have been allocated.
OTHER HAZARDS	No information provided.

**3 Composition / Information on ingredients**

INGREDIENT	CAS NO.	EC NO.	CONTENT
CALCIUM SILICATE	1344-95-2	215-710-8	>60%
QUARTZ (CRYSTALLINE SILICA)	14808-60-7	238-878-4	<1%
ADDITIVE(S)	–	–	Not available
BINDING AGENT	–	–	6-30%

**4 First aid measures**

EYE CONTACT	If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (dial 13 11 26 Australia wide), a doctor or for at least 15 minutes.
INHALATION	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.
SKIN CONTACT	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 a Poisons Information Centre or a doctor.
INGESTION	For advice, contact a Poisons Information Centre or a doctor at once. Due to product form and application, ingestion is considered unlikely.
FIRST AID FACILITIES	None allocated.
MOST IMPORTANT SYMPTOMS & EFFECTS, BOTH ACUTE & DELAYED	See Section 11 for more detailed information on health effects and symptoms.
IMMEDIATE MEDICAL ATTENTION & SPECIAL TREATMENT NEEDED	Treat symptomatically.

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**Safety data sheet (SDS)****5 Fire fighting measures**

EXTINGUISHING MEDIA	Non flammable. Use an extinguishing agent suitable for the surrounding fire.
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE	Non flammable. May evolve toxic gases if strongly heated.
ADVICE FOR FIRE FIGHTERS	Non flammable. No fire or explosion hazard exists.
HAZCHEM CODE	None allocated.

**6 Accidental release measures**

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT & EMERGENCY PROCEDURES	Wear Personal Protective Equipment (PPE) as detailed in Section 8.
ENVIRONMENTAL PRECAUTIONS	Prevent product from entering drains and waterways.
METHODS OF CLEANING UP	If spilt, collect and reuse where possible.
REFERENCE TO OTHER SECTIONS	See Sections 8 & 13 for exposure controls and disposal.

**7 Handling and storage**

PRECAUTIONS	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.
CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES	Store in a cool, dry, well ventilated area, removed from incompatible substances and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.
SPECIFIC END USE(S)	No information provided.

**8 Exposure controls / Personal protection****EXPOSURE STANDARDS**

INGREDIENT	REFERENCE	TWA	STEL
CALCIUM SILICATE (A)	SWA (AUS)	10mg/m <sup>3</sup>	–
QUARTZ (RESPIRABLE DUST)	SWA (AUS)	0.1mg/m <sup>3</sup>	–

BIOLOGICAL LIMITS	No biological limit values have been entered for this product.
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### 8 Exposure controls / Personal protection

#### EXPOSURE CONTROLS & PERSONAL PROTECTIVE EQUIPMENT

ENGINEERING CONTROLS	Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain dust levels below the recommended exposure standard.
EYE / FACE	If cutting or sanding with potential for dust generation, wear dust-proof goggles.
HANDS	If cutting or sanding with potential for dust generation, wear leather or cotton gloves.
BODY	Not required under normal conditions of use.
RESPIRATORY	If cutting or sanding with potential for dust generation, wear a Class P1 (Particulate) respirator.

### 9 Physical and chemical properties

#### INFORMATION ON BASIC PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE	Off white coloured board
ODOUR	Odourless
FLAMMABILITY	Non flammable
FLASH POINT	Not relevant
BOILING POINT	Not available
MELTING POINT	Not available
EVAPORATION RATE	Not available
pH	9 (approximately)
VAPOUR DENSITY	Not available
SPECIFIC GRAVITY	Not available
SOLUBILITY (WATER)	Insoluble
VAPOUR PRESSURE	Not available
UPPER EXPLOSION LIMIT	Not relevant
LOWER EXPLOSION LIMIT	Not relevant
PARTITION COEFFICIENT	Not available
AUTOIGNITION TEMPERATURE	Not available
DECOMPOSITION TEMPERATURE	Not available
VISCOSITY	Not available
EXPLOSIVE PROPERTIES	Not available
OXIDISING PROPERTIES	Not available
ODOUR THRESHOLD	Not available

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**Safety data sheet (SDS)****10 Stability and reactivity**

REACTIVITY	Carefully review all information provided in Sections 2-6.
CHEMICAL STABILITY	Stable under recommended conditions of storage.
POSSIBILITY OF HAZARDOUS REACTIONS	Polymerization will not occur.
CONDITIONS TO AVOID	Avoid heat, sparks, open flames and other ignition sources.
IMCOMPATIBLE MATERIALS	Compatible with most commonly used materials.
HAZARDOUS DECOMPOSITION PRODUCTS	May evolve toxic gases if heated to decomposition.

**11 Toxicological information**

ACUTE TOXICITY	Based on available data, the classification criteria are not met.
SKIN	Low irritant. Prolonged or repeated exposure to dust may result in irritation and dermatitis.
EYE	Low irritant. Due to product form, the potential for exposure is reduced, unless cut or heated and dust or fumes generated.
SENSITISATION	Not classified as causing skin or respiratory sensitisation.
MUTAGENICITY	Not classified as a mutagen.
CARCINOGENICITY	Not classified as a carcinogen. Adverse health effects, usually associated with long term exposure to high crystalline silica dust levels are not anticipated due to product form. This product may only present a hazard if the boards are cut or drilled with dust generation. Crystalline quartz is classified as carcinogenic to humans (IARC Group 1).
REPRODUCTIVE	Not classified as a reproductive toxin.
STOT – SINGLE EXPOSURE	Not classified as causing organ damage from single exposure. An inhalation hazard is not anticipated unless cut, drilled or sanded with dust generation, which may result in irritation of the nose and throat.
STOT – REPEATED EXPOSURE	Not classified as causing organ damage from repeated exposure.
ASPIRATION	This product does not present an aspiration hazard.

**12 Ecological information**

TOXICITY	No information provided.
PERSISTENCE & DEGRADABILITY	No information provided.
BIOACCUMULATIVE POTENTIAL	No information provided.
MOBILITY IN SOIL	No information provided.
OTHER ADVERSE EFFECTS	No information provided.

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**Safety data sheet (SDS)****13 Disposal considerations**

WASTE DISPOSAL	Reuse where possible. No special precautions are normally required when handling 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, IMDG OR IATA.**

<b>TRANSPORT TYPE</b>	<b>LAND (ADG)</b>	<b>SEA (IMDG / IMO)</b>	<b>AIR (IATA / ICAO)</b>
UN NUMBER	None allocated	None allocated	None allocated
PROPER SHIPPING NAME	None allocated	None allocated	None allocated
TRANSPORT HAZARD CLASS	None allocated	None allocated	None allocated
PACKING GROUP	None allocated	None allocated	None allocated

**ENVIRONMENTAL HAZARDS**

ENVIRONMENTAL HAZARDS No information provided.

**SPECIAL PRECAUTIONS FOR USER**

HAZCHEM CODE None allocated.

**15 Regulatory information****SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE**

POISON SCHEDULE	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
CLASSIFICATIONS	Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals. The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(2004)].
HAZARD CODES	None allocated.
RISK PHRASES	None allocated.
SAFETY PHRASES	None allocated.
INVENTORY LISTING(S)	AUSTRALIA: AICS (Australian Inventory of Chemical Substances) All components are listed on AICS, or are exempt.

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**Safety data sheet (SDS)****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.

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES**

The recommendation for protective equipment contained within this 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.

**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 report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**ABBREVIATIONS**

ACGIH	American Conference of Governmental Industrial Hygienists
CAS #	Chemical Abstract Service number used to uniquely identify chemical compounds
CNS	Central Nervous System
EC No.	European Community Number
EMS	Emergency Schedules (emergency procedures for ships carrying dangerous goods)
GHS	Globally Harmonized System
GTEPG	Group Text Emergency Procedure Guide
IARC	International Agency for Research on Cancer
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m <sup>3</sup>	Milligrams per cubic metre
OEL	Occupational Exposure Limit
pH	Relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline)
ppm	Parts per million
STEL	Short-Term Exposure Limit
STOT-RE	Specific target organ toxicity (repeated exposure)
STOT-SE	Specific target organ toxicity (single exposure)
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
SWA	Safe Work Australia
TLV	Threshold Limit Value
TWA	Time Weighted Average

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