

Safety data sheet (SDS)**Product identifier**

PRODUCT NAME	PROMATECT® 100
PRODUCT FORM	Article
TYPE OF PRODUCT	Self-supporting mineral board
PRODUCT GROUP	Fire protective board
FUNCTION / USE CATEGORY	Professional fire protection applications in building and construction industry.
MARKETED BY	Promat Asia Pacific organisation

Composition

SUBSTANCE	Not applicable
MIXTURE	Not applicable
ARTICLE	Calcium silicate hydrates, calcium sulphate hydrates, cellulose fibres and glass fibres.

Hazards identification

CLASSIFICATION	This product does not meet the criteria for classification in any hazard class according to the CLP Regulation No. (EC) 1272/2008 on classification, labelling and packaging.
OTHER HAZARDS	No hazards known for the installed product in its final application. During machining the product (drilling, cutting, sanding etc), airborne dust can be released. As with most types of nuisance dust, excessive inhalation of dust may cause irritation of the bronchial tubes. Eye irritation, irritation of mucous membranes and skin irritation can occur.

First aid measures

SKIN CONTACT	Wash off immediately with plenty of soap and water.
EYE CONTACT	Do not rub the eye. Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
INHALATION	Remove to fresh air and drink plenty of water.
INGESTION	Rinse mouth and drink plenty of water.
SEEK MEDICAL ATTENTION IF ILL EFFECT OR IRRITATION DEVELOPS.	

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First aid measures

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

SKIN CONTACT	Prolonged skin contact may lead to skin irritation for sensitive persons.
EYE CONTACT	Eye contact with dust may lead to transient eye irritation or inflammation.
INHALATION	May cause irritation to the respiratory tract and to other mucous membranes.
INGESTION	Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

TREAT SYMPTOMATICALLY FOR INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED.

Firefighting measures

EXTINGUISHING MEDIA	All suitable extinguishing media can be used.
EXPLOSION HAZARD	The product is not explosive.
REACTIVITY IN CASE OF FIRE	The product is non combustible.
HAZARDOUS DECOMPOSITION PRODUCTS IN CASE OF FIRE	Not combustible.
ADVICE FOR FIREFIGHTERS	Do not enter fire area without proper protective equipment, including respiratory protection. Wear protection during firefighting.

Accidental release measures

PERSONAL PRECAUTIONS	Minimise generation of dust. Avoid breathing dust. Avoid eye and skin contact. Dampen down any dust or use vacuum cleaner with correct filter.
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For non emergency personnel

Use recommended respiratory protection.
Prevent spread of dust. Dampen down any dust or use vacuum cleaner with correct filter.

For emergency responders

Use personal protective equipment as required.
Stop dust release.

ENVIRONMENTAL PRECAUTIONS	Prevent spread of dust.
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CLEAN UP METHODS	Use closed containers to avoid dust release. Shovel up small pieces. Dampen down any dust before putting into appropriate skips.
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Handling and storage

ADDITIONAL HAZARDS	Dust, generated during machining and processing, must be exhausted. The regulatory Occupational Exposure Limits (OEL) for total and respirable dust and respirable quartz dust must be respected.
PRECAUTIONS	Always use respiratory protective equipment when exposures are likely or can be foreseen to exceed the local/national OEL. Collect dust with a vacuum cleaner or soak with water before sweeping up. Ensure good ventilation of the work station. Use tools with appropriate dust exhaust equipment.
HYGIENE MEASURES	Do not eat, drink or smoke when using the product. Always wash hands after handling the product.
STORAGE CONDITIONS, INCLUDING ANY INCOMPATIBILITIES	Store in dry, covered and frost proof area.

Exposure controls / Personal protection

ENGINEERING CONTROLS	When machining boards (drilling, cutting, sanding etc), respect OEL for inhalable and respirable dust. Check the latest local/national OEL) for airborne contaminants that are applicable.
PERSONAL PROTECTION	Ensure vacuum dust exhaust with correct filter when using motorised machining tools. Use dust mask for dust formation.
RESPIRATORY PROTECTION	Avoid breathing dusts. Use appropriate respiratory equipment when exposures are likely or can be foreseen to exceed the OEL (e.g. use at least a P2 type duct mask for exposures up to 10 times).
EYE PROTECTION	Avoid contact with eyes. Use safety glasses whenever tools are used and dusts are produced.
SKIN AND BODY PROTECTION	Avoid contact with skin. Use working clothes and gloves to protect against mechanical injury and direct skin contact.
ENVIRONMENTAL EXPOSURE CONTROLS	Avoid release to the environment.

Physical and chemical properties

PHYSICAL STATE	Solid
COLOUR	Off white
ODOUR	None
pH	≈ 9
FLAMMABILITY (SOLID / GAS)	Not flammable
DENSITY	≈ 875kg/m ³

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

REACTIVITY	Non reactive under normal conditions of use, storage and transport.
CHEMICAL STABILITY	Stable under normal conditions.
POSSIBILITY OF HAZARDOUS REACTIONS	No dangerous reactions known under normal conditions of use.
CONDITIONS TO AVOID	None under recommended storage and handling conditions (see Handling and storage).
INCOMPATIBLE MATERIALS	Strong acids
HAZARDOUS DECOMPOSITION	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Toxicological information

TOXICOLOGICAL EFFECTS	Not classified. No acute toxicity has been reported, apart from some exceptional cases of transient eye irritation or inflammation, skin irritation or irritation of the mucosae (throat, bronchial tubes) by excessive exposure to dust.
SKIN CORROSION/IRRITATION	Not classified (pH ≈ 9)
SERIOUS EYE DAMAGE/IRRITATION	Not classified (pH ≈ 9)
OTHER INFORMATION	The fibres used in this product do not meet the definition of critical or respirable fibre as defined by WHO convention because of their large diameter. Because the fibres are considered as non-respirable, they are not expected to pose a cancer risk.

Ecological information

The product is generally not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

COMPONENT	Silicic acid, calcium salt (1344-95-2) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII. his substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.
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Disposal considerations

WASTE TREATMENT METHODS	Handle as construction industry waste.
WASTE DISPOSAL RECOMMENDATIONS	Dispose in a safe manner in accordance with local/national regulations.

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Transport information

Not dangerous for the environment in accordance with ADN, ADR, IATA, IMDG and RID.

No marine pollutant in accordance with IMDG.

No special precautions for transport user in air, inland waterway, overland, rail and sea.

Regulatory information

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

EU-REGULATIONS Contains no substance on the REACH candidate list.

CHEMICAL SAFETY ASSESSMENT No assessment has been carried out,

Other information

SAFETY INFORMATION
APPLICABLE FOR REGIONS CY;GB;GI;IE;IS;MT

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