
1. Identification of the product and of the company

Product name: PROMAGUARD®
Intended Product use: Micro-porous insulating board, used for fire protection.
Company: Company: Promat SpA
Division HTI
Adresse : Via Idiomi 1/9
IT – 20090 ASSAGO
tél # : 039 02 45 71 711
fax # : 039 02 45 70 61 87
e-mail : info@promat.it

2. Composition / Information on ingredients

Description: Insulating board of micro porous core packed in a cloth and overstitched

Chemical characterisation: This product is a manufactured article, not a substance nor a preparation.
It is manufactured from silicon carbide, fumed (amorphous pyrogenic) silica, silica or glass fiber filaments (nominal diameter 6 µm) and calcium sulfate.
The product is packed in a glass fabric and overstitched with glass fiber monofilament.

3. Hazard Identification

Indication of the hazards: The installed product in its final application: no hazards known.

- By machining (drilling, cutting, sanding, etc.) the product, airborne dust can be released.
- As with most types of nuisance dust, excessive inhalation of dust may cause irritation of the airways.
 - Eye contact with dust may lead to transient eye irritation or inflammation.
 - Prolonged skin contact may lead to skin irritation.

Specific risk information for humans and environment: see section 7 and 8

4. First aid measures

Inhalation: remove to fresh air and drink water
Ingestion: drink water
Skin contact: rinse the skin with water
Eye contact: do not rub the eye, rinse out. If eye irritation or inflammation persists, seek medical advice.

SAFETY DATA SHEET

Promat

Trade name: PROMAGUARD®

issued: 26/02/07

5. Fire fighting measures

Additional Information: The product is a non-combustible board, according to the local non-combustibility standard.

6. Accidental spill / release measures

Methods for cleaning up: Shovel up small pieces. Dampen down any dust before putting into open skips

7. Handling and storage

Handling:

- Instructions for handling and machining
- Dust, generated during machining and processing must be exhausted and the regulatory Workplace Exposure Limits for total and respirable dust must be respected.
- Work in a well ventilated area
- Use tools with appropriate dust exhaust equipment
- When total dust concentration is higher than Workplace Exposure Limits (refer to local regulations), or when dust extraction is not available, use individual respiratory protective equipment.
- Collect dust with a vacuum cleaner or soak with water before sweeping up.

Storage: Store in dry, covered and frost proof area.

8. Exposure controls / Personal protection

When machining (drilling, cutting, sanding, etc.) boards, respect Workplace Exposure Limits for inhalable and respirable dust.
Check the latest Workplace Exposure Limits (WEL) for airborne contaminants that are applicable in your country.
For amorphous pyrogenic silica a typical WEL limit is 2 mg/m³ for the respirable fraction.
The product does not contain glass or silica fibres with a diameter under 3 µm and a length between 5 µm and 100 µm and are therefore not respirable.
Typical Workplace Exposure Limits (8hrs TWA) on the date of issue of this document are:

In mg/m ³	Fraction	COUNTRY (2)												
		AT	BE	CH	DE(3)	DK	ES	FR	IE	IT	LU(3)	NL	SE	UK
Particles NOR (1)	Inhalable	15	10	10	10	10	10	10	10	10	10	10	10	10
	Respirable	6	3	3	3	5	3	5	4	3	3	5	5	4

- (1) Particles NOR: particles not otherwise classified or regulated (nuisance dust).
Applies for all other components in the product.
(2) Country abbreviations on basis of IANA (Internet Assigned Numbers Authority)
(3) TRGS – 900

Trade name: PROMAGUARD®

issued: 26/02/07

Engineering controls:	Ensure vacuum dust exhaust with correct filter when using motorised machining tools.
Personal protection:	Avoid breathing dusts Avoid eye and skin contact Wear personal protective equipment appropriate to the task (see below)
- Respiratory protection:	Use approved individual respirators (e.g. disposable P2 types) whenever Workplace Exposure Limits are or can be foreseen to be exceeded.
- Eye protection:	Use safety glasses whenever tools are used and dusts are produced
- Skin protection:	Use working clothes and gloves to protect against mechanical injury and direct skin contact

9. Physical and chemical properties

Appearance:	slab	
Colour:	white	Odour: None
Important safety parameters:		
Boiling point / boiling range:	n.a.	
Melting point / melting range:	n.a.	
Flash point:	n.a.	
Flammability (solid, gaz):	n.a.	
Flammability temperature:	n.a.	
Autoflammability:	n.a.	
Explosive properties (danger and limits):	n.a.	
Oxidizing properties:	n.a.	
Vapour pressure:	n.a.	
Relative density:	ca. 230 – 280 kg/m ³	
Solubility:		
- water solubility:	insoluble	
- fat solubility:	n.a.	
pH value:	n.a. (when taken into an aqueous solution)	
Partition coefficient (n-octanol/water):	n.a.	
Viscosity:	n.a.	

10. Stability and reactivity Nothing to report

11. Toxicological information

Acute toxicity:	These micro-porous boards are not expected to have significant acute toxicity. Apart from mild skin, throat, airway or eye irritation, workers producing these boards have reported no significant health complaints.
Further information:	Bruch and other researchers at the German Institute for Hygiene and Industrial Medicine at the University of Essen, have found no toxic effects and concluded that SiC is deposited practically inert in the lungs. This study has been published in the British Journal of Industrial Medicine 1993, Vol 50, Book 9, Part 1, pages 797-806

Trade name: PROMAGUARD®

issued: 26/02/07

and Part 2, pages 807-813 under the title: Toxicological investigations on silicon carbide, Inhalation studies; In vitro cell tests and long term injection tests.

12. Ecological information Nothing to report

13. Disposal considerations

Product disposal: Handle as construction industry waste and dispose in accordance with local legislation
Packaging disposal: Dispose according to local legislation

14. Transport information

Road transport: Product is not classified as dangerous
Inland shipping transport: Product is not classified as dangerous
Sea shipping transport: Product is not classified as dangerous
Air transport: Product is not classified as dangerous

15. Regulatory information

Labelling according to EEC – Directives:
The Product is a manufactured article, not a substance nor a preparation. Therefore the EU Directive on classification and labelling 67/548EEC is not applicable.

Danger indication: not applicable **Symbol:** not applicable
R – sentence: not applicable
S – sentence: not applicable

16. Other information

The recommendations for use and installation of the product have to be followed as indicated in the Promat Handbook.

The health and safety information contained herein is believed to be accurate and correct based on our current knowledge at the date of issue and no liability can be accepted for any loss, injury or damage resulting from its use. It is intended as a guide for the safe handling, storage and use under normal conditions, but does not necessarily refer to the particular requirements of a customer when further advise should be obtained.

This data sheet and the information it contains is not intended to supersede any terms or conditions of sale and does not constitute a specification. Nothing contained herein is to be construed as a recommendation for use in violation of any patent or applicable laws or regulations.