PROMAT INC.

Product Safety Data Sheet
PROMATECT® H

PROMATECT®-H is an article within the meaning of REACH (REGULATION (EC) No 1907/2006) and CLP (REGULATION (EC) No 1272/2008). SDSs do not have to be provided for articles. Moreover, this article, for which safety information is given, does not contain substances of very high concern, substances of which the use is restricted by the Commission or substances on the Candidate List of Substances of Very High Concern for Authorization (last updated list of 20 June 2016). Even if this article is not subjected to any obligation to classify or label (Art 4 of Regulation (EC) No 1272/2008), Promat has decided to supply several information about identification, first aid and releases measures, exposure control, disposal and transport. This safety information supplies information to industrial and professional users on the safe use of this article.

SECTION 1: Identification

1.1 Product identifier

Product name: PROMATECT® H
Product group: Calcium Silicate Board
Product number: Fire Protective Board

1.2 Recommended use of the chemical and restrictions on use

Main use category: Professional use.
Use of the substance/mixture: Fire protective Board

1.3 Supplier's details

Name	PROMAT INC.
Address	1731 FRED LAWSON DRIVE MARYVILLE, TN 37804 USA
Telephone	888-681-0155
Fax	865-681-0016
email	sales@promat.us

1.4 Emergency phone number(s)

888-681-0155

SECTION 2: Hazard identification

General hazard statement

Generation of significant quantities of airborne dust is unlikely during normal handling. 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. Can occur: eye irritation, irritation of mucous membranes and skin irritation. The handling and machining of this product may lead to the release of quartz containing dust. The inhalation of dust containing quartz, the fine (respirable) dust fraction, in high concentrations or over a prolonged period may lead to lung disease (silicosis) and an increased risk of lung cancer. When moistened by water or sweat, the Portland cement component may lead to skin inflammation, contact dermatitis or even delayed onset burns due to high alkalinity.

2.1 Classification of the substance or mixture

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)
- Specific target organ toxicity, repeated exposure (chapter 3.9), Cat. 1

2.2 GHS label elements, including precautionary statements

Pictogram

1. Health hazard; 2. Exclamation mark

Signal word: Warning

Hazard statement(s)
H372 Causes damage to organs through prolonged or repeated exposure

Precautionary statement(s)
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P314 Get medical advice/attention if you feel unwell.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3: Composition/information on ingredients

3.1 Substances

Components

1. Portland cement
Concentration: 10 - 20% (weight)
CAS no.: 65997-15-1

2. Silica, crystalline (airborne particles of respirable size)
Concentration: 15 - 20% (weight)
CAS no.: 14808-60-7

3. Cellulose fibers
Concentration: 1 – 4%
EC no.: 265-995-8
CAS no.: 65996-61-4

4. WOLLASTONITE
Concentration 25 – 30%
CAS no.: 13983-17-0

5. Calcium carbonate (Natural)
Concentration: 10 - 13%
CAS no. 1317-65-3

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice: Seek medical attention if ill effect or irritation develops.
If inhaled: Remove to fresh air and wash mouth with water.
In case of skin contact: Wash off with soap and plenty of water.
In case of eye contact: Do not rub the eye. Rinse immediately with plenty of water. If eye irritation persists: Get medical advice/attention.
If swallowed: Ingestion unlikely due to product form. Do not induce vomiting. Rinse mouth. Drink plenty of water.

4.2 Most important symptoms/effects, acute and delayed

Symptoms/injuries after inhalation: May cause irritation to the respiratory tract and to other mucous membranes.
Symptoms/injuries after skin contact: May cause temporary irritation/skin rash. Repeated exposure may cause skin dryness or cracking. When moistened by water or sweat, the Portland cement component may lead to skin inflammation, contact dermatitis or even delayed onset burns due to high alkalinity.
Symptoms/injuries after eye contact: Eye contact with dust may lead to transient eye irritation or inflammation.
Symptoms/injuries after ingestion: Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire.

5.2 Specific hazards arising from the chemical

Fire hazard: The product is non-combustible. Packaging may burn.
Explosion hazard: Product is not explosive.
Reactivity in case of fire: The product is non-combustible.
Hazardous decomposition products in case of fire: Not combustible.

5.3 Special protective actions for fire-fighters

Do not enter fire area without proper PPE.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General measures: Minimize generation of dust. Avoid breathing dusts. Avoid eye and skin contact. Dampen down any dust or use vacuum cleaner with correct filter.

6.2 Environmental precautions

Prevent spread of dust. Do not allow to enter drains or water courses.

6.3 Methods and materials for containment and cleaning up

Containment: Use closed containers to avoid dust release.
Clean up: Remove small pieces by shovel or dust pan. Dampen down any dust before putting into appropriate disposal location.

Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection."

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Additional hazards when processed: Dust, generated during machining and processing must be exhausted and the regulatory occupational exposure limits (workplace exposure limits in UK) for total and respirable dust and respirable quartz dust must be respected.
Precautions for safe handling: Use always respiratory protective equipment when exposures are likely or can be foreseen to exceed the Occupational Exposure Limits or Workplace Exposure Limits in the UK (refer to local regulations). Collect dust with a vacuum cleaner or soak with water before sweeping up. Work in a well ventilated area. Use tools with appropriate dust exhaust equipment.
Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Store in dry, covered and frost proof area.

Specific end use(s)
Fire protection in buildings.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

CAS: 1317-65-3
Calcium Carbonate
Cal/OSHA: see PNOR PEL inhalation
Calcium Carbonate, Respirable fraction
Cal/OSHA: 5 mg/m3 PEL inhalation; NIOSH: 5 mg/m3 REL inhalation; OSHA: 5 mg/m3 PEL inhalation
Calcium Carbonate, Total dust
Cal/OSHA: 10 mg/m3 PEL inhalation; NIOSH: 10 mg/m3 REL inhalation; OSHA: 15 mg/m3 PEL inhalation
Limestone
Cal/OSHA: see PNOR PEL inhalation
Limestone, Respirable fraction
Cal/OSHA: 5 mg/m3 PEL inhalation; NIOSH: 5 mg/m3 REL inhalation; OSHA: 5 mg/m3 PEL inhalation
Limestone, Total dust
Cal/OSHA: 10 mg/m3 PEL inhalation; NIOSH: 10 mg/m3 REL inhalation; OSHA: 15 mg/m3 PEL inhalation
Marble
Cal/OSHA: See PNOR PEL inhalation
Marble, Respirable fraction
Cal/OSHA: 5 mg/m3 PEL inhalation; NIOSH: 5 mg/m3 REL inhalation; OSHA: 5 mg/m3 PEL inhalation
Marble, Total dust
Cal/OSHA: 10 mg/m3 PEL inhalation; NIOSH: 10 mg/m3 REL inhalation; OSHA: 15 mg/m3 PEL inhalation

CAS: 14808-60-7
Crystalline Silica (quartz)
Cal/OSHA: 0.1 mg/m³ PEL-TWA inhalation
Silica, crystalline quartz, respirable dust
Cal/OSHA: See Annotated Z-3 PEL inhalation; NIOSH: See Annotated Z-3 REL inhalation; OSHA: See Annotated Z-3 ppm PEL inhalation; See Annotated Z-3 mg/m3 PEL inhalation

CAS: 65997-15-1
Portland cement
Cal/OSHA: See PNOR PEL inhalation
Portland cement, Respirable fraction

Cal/OSHA: 5 mg/m3 PEL inhalation; NIOSH: 5 mg/m3 REL inhalation; OSHA: 5 mg/m3 PEL inhalation
Portland cement, Total dust
Cal/OSHA: 10 mg/m3 PEL inhalation; NIOSH: 10 mg/m3 REL inhalation; OSHA: 15 mg/m3 PEL inhalation

8.2 Appropriate engineering controls

When machining boards (drilling, cutting, sanding, etc.) respect Occupational Exposure Limits or Workplace Exposure Limits for inhalable and respirable dust.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms

Eye/face protection

Avoid contact with eyes. Use safety glasses whenever tools are used and dusts are produced.

Skin protection

Avoid contact with skin. Use working clothes and gloves to protect against mechanical injury and direct skin contact.

Respiratory protection

Avoid breathing dusts. Use appropriate respiratory equipment when exposures are likely to exceed the Occupational Exposure Limits or Workplace Exposure Limits. For exposures 10 times the exposure standard, use at least a P2 rated dust mask. For higher exposure, use at least P3 type dust mask.

Environmental exposure controls

Avoid release to the environment.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.):	Board
Odor:	Odorless
Odor threshold:	No data available
pH:	~12
Melting point/freezing point:	Not applicable
Initial boiling point and boiling range:	Not applicable
Flash point:	Not applicable
Evaporation rate:	Not applicable
Flammability (solid, gas):	Not Flammable
Upper/lower flammability limits:	Not applicable
Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	~900 kg/m³
Solubility(ies):	No data available
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	Not applicable
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available

SECTION 10: Stability and reactivity

10.1 Reactivity
This product is non-reactive under normal conditions of use, storage, and handling.

10.2 Chemical stability
Stable under normal conditions.

10.3 Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid
None under recommended storage and handling conditions. (see section 7)

10.5 Incompatible materials
Strong acids.

10.6 Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity Not classified.

*No acute toxicity has been reported, apart from some exceptional cases of transient eye irritation and inflammation, skin irritation, and irritation of the mucosa (throat, bronchial tubes) by excessive exposure to dust.

Skin corrosion/irritation	Not classified. PH~12
Serious eye damage/irritation	Not classified. PH~12
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Summary of evaluation of the CMR properties	Not classified
STOT-single exposure	Not classified

STOT-repeated exposure
The inhalation of quartz containing dust, the fine dust fraction (respirable size), in high concentrations or over repeated or prolonged periods of time can be hazardous to health and may lead to chronic lung disease and an increased risk of lung cancer. This risk will be minimal if correct working practices are observed and applied. (Refer to Section 8). According to the International Agency for Research on Cancer (IARC Monograph Volume 100C - 2012) “Crystalline silica inhaled in the form of quartz or cristobalite is carcinogenic to humans (Group 1).”

Aspiration hazard Not classified

Additional information
The fibers used in this product do not meet the definition of critical or respirable fibers as defined by the World Health Organization (WHO) because of their large diameter. Because the fibers are considered as non-respirable, they are not expected to pose a cancer risk.

SECTION 12: Ecological information

Toxicity
This product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Persistence and degradability
No additional information available.
Bio accumulative potential
No additional information available.
Mobility in soil
No additional information available.
Results of PBT and vPvB assessment
No additional information available.
Other adverse effects
No additional information available.

SECTION 13: Disposal considerations

Disposal of the product
Handle as construction industry waste and dispose of in accordance with local and national regulations.
Disposal of contaminated packaging
Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

California Prop. 65 components
Chemical name: Silica, crystalline (airborne particles of respirable size)
CAS number: 14808-60-7
10/01/1988 - cancer

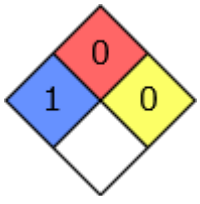
New Jersey Right to Know Components
Common name: SILICATE, PORTLAND CEMENT
CAS number: 65997-15-1. Common name: SILICA, QUARTZ
CAS number: 14808-60-7. Common name: CALCIUM CARBONATE
CAS number: 1317-65-3

Pennsylvania Right to Know Components
Chemical name: Cement, Portland, chemicals
CAS number: 65997-15-1. Chemical name: Quartz
CAS number: 14808-60-7. Chemical name: Limestone
CAS number: 1317-65-3

HMIS Rating

PROMATECT® H
HEALTH 1
FLAMMABILITY 0
PHYSICAL HAZARD 0
PERSONAL PROTECTION

NFPA Rating



SECTION 16: Other information

Preparation information
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