

## MONALITE® M1

Date : 16 / 1 / 2014

Supersedes : 0 / 0 / 0

### SECTION 1 Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Trade name : MONALITE® M1  
Identification of the product : Self-supporting calcium silicate board.  
Type of product : Article.

#### 1.2. Relevant identified uses of the substance, mixture or article and uses advised against

Use : High temperature insulation.

#### 1.3. Details of the supplier of the safety data sheet

Company identification : Promat s.r.o.  
V.P.Ckalova 22/784  
160 00 PRAHA 6-BUBENEC CZECH REPUBLIC  
Tel.: +420 (0)22 439 0811  
Fax: +420 (0)23 333 3576  
e-mail: promat@promatpraha.cz

#### 1.4. Emergency telephone number

Emergency phone nr : +420 (0)22 439 0811

### SECTION 2 Hazards identification

Symptoms relating to use : For the installed product in its final application: no hazards known.  
During machining the product (drilling, cutting, sanding, etc.), airborne dust can be released.

- Inhalation : As with most types of nuisance dust, excessive inhalation of dust may cause irritation of the bronchial tubes.  
The handling and machining of this product may lead to the release of quartz containing dust. The inhalation of dust containing quartz, in particular the fine (respirable) dust fraction, in high concentrations or over a prolonged period of time may lead to lung disease (silicosis) and an increased risk of lung cancer.  
Long term hazards: see section 11.

- 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.

- Ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

#### 2.1. Classification of the substance or mixture

##### Classification EC 67/548 or EC 1999/45

This product is classified as not hazardous.

##### Hazard Class and Category Code Regulation EC 1272/2008 (CLP)

This product is classified as not hazardous.

#### 2.2. Label elements

##### Labelling EC 67/548 or EC 1999/45

## MONALITE® M1

Date : 16 / 1 / 2014

Supersedes : 0 / 0 / 0

**SECTION 2 Hazards identification (continued)**

No labelling required.

**Labelling Regulation EC 1272/2008 (CLP)**

No labelling required.

**2.3. Other hazards**

None under normal conditions.

**SECTION 3 Composition/information on ingredients**

**Components** : This article is classified as not hazardous.  
This product is a manufactured article, not a substance nor a preparation.

Substance name	Contents	CAS No	EC No	Annex No	Ref REACH	Classification
Wollastonite	:	13983-17-0	237-772-5	----	----	Not classified. (DSD/DPD) Not classified. (GHS)
Quartz (SiO <sub>2</sub> )	:	14808-60-7	238-878-4	----	----	Not classified. (DSD/DPD) Not classified. (GHS)
Crystalline calcium silicate hydrate	:	1344-95-2	215-710-8	----	----	Not classified. (DSD/DPD) Undefined. (GHS)

**SECTION 4 First aid measures****4.1. Description of first aid measures****First aid measures**

- Inhalation : Remove to fresh air and drink water.
- Skin contact : Rinse the skin with water.
- Eye contact : Do not rub the eye. Rinse the eye out with plenty of clean water for at least 15 minutes. If eye irritation or inflammation persists, seek medical advice.
- Ingestion : Drink water.

**4.2. Most important symptoms and effects, both acute and delayed**

See sections 7 and 8.

**4.3. Indication of any immediate medical attention and special treatment needed**

No data available.

**SECTION 5 Fire-fighting measures****5.1. Extinguishing media**

Suitable extinguishing media : All extinguishing media can be used.

**5.2. Special hazards arising from the substance or mixture**

Nothing to report.

**5.3. Advice for fire-fighters**

### SECTION 5 Fire-fighting measures (continued)

- Flammable class** : The product is non-combustible.
- Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6 Accidental release measures

#### **6.1. Personal precautions, protective equipment and emergency procedures**

- Personal precautions** : Minimize generation of dust. Avoid breathing dusts. Avoid eye and skin contact. Use recommended respiratory protection.

#### **6.2. Environmental precautions**

- Environmental precautions** : Prevent spread of dust.

#### **6.3. Methods and material for containment and cleaning up**

- Methods and material for containment** : Use closed containers to avoid dust release.
- Clean up methods** : Shovel up small pieces. Dampen down any dust before putting into appropriate skips.

#### **6.4. Reference to other sections**

See sections 7 and 8.

### SECTION 7 Handling and storage

#### **7.1. Precautions for safe handling**

- Personal protection** : 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.  
Use always respiratory protective equipment when exposures are likely or can be foreseen to exceed the Occupational Exposure Limits or Workplace Exposure Limits in UK (refer to local regulations).  
Collect dust with a vacuum cleaner or soak with water before sweeping up.
- Technical protective measures** : Work in a well ventilated area  
Use tools with appropriate dust exhaust equipment.

#### **7.2. Conditions for safe storage, including any incompatibilities**

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

#### **7.3. Specific end use(s)**

High temperature insulation.

### SECTION 8 Exposure controls/personal protection

#### **8.1 Control parameters**

- Occupational Exposure Limits (UK: Workplace Exposure Limits)** : When machining boards (drilling, cutting, sanding, etc.), respect Occupational Exposure Limits (OEL) or Workplace Exposure Limits (WEL in the UK) for inhalable and respirable dust and for respirable quartz dust.

**SECTION 8 Exposure controls/personal protection (continued)****Control parameters for airborne contaminants**

Check the latest Occupational Exposure Limits (OEL) or Workplace Exposure Limits (WEL in the UK) for airborne contaminants that are applicable in your country.

Typical Occupational Exposure Limits or Workplace Exposure Limits in the UK (8hrs TWA) and Ireland on the date of issue of this document are:

- : - Quartz dust (CAS number: 14808 - 60 - 7):
  - Respirable: 0.1 mg/m<sup>3</sup>(UK) - 0.05 mg/m<sup>3</sup> (IE)
- Particles not otherwise classified or regulated (nuisance dust)
  - Inhalable: 10 mg/m<sup>3</sup>.
  - Respirable: 4 mg/m<sup>3</sup>.

**8.2 Occupational exposure controls****8.2.1 General protection controls****- Industrial hygiene**

- : Ensure vacuum dust exhaust with correct filter when using motorised machining tools.

**8.2.2. Individual protection controls****- Respiratory protection**

- : Avoid breathing dusts.  
Use appropriate respiratory equipment when exposures are likely or can be foreseen to exceed the Occupational Exposure Limits or Workplace Exposure Limits for the UK (e.g. for exposures up to 10 times the OEL (WEL) use at least a P2 type duct mask. For higher exposure, use a P3 type mask).

**- Skin protection**

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

**- Eye protection**

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

**- Ingestion**

- : When using, do not eat, drink or smoke.

**SECTION 9 Physical and chemical properties**

- Appearance : Board (solid)
- Physical state at 20 °C : Solid.
- Colour : White.
- Odour : None.
- pH value : ca. 10
- Flammability : Non flammable.
- Density : ca. 850 kg/m<sup>3</sup>
- Solubility in water : Insoluble.
- Other properties : Information on other physical and chemical properties, as listed in the section 9.1 of Annex II of the Commission Regulation EU 453/2010 of 20 May 2010 is not available

**SECTION 10 Stability and reactivity****10.1. Reactivity****Stability and reactivity**

- : Stable under normal conditions.

**10.2. Chemical stability****Chemical stability**

- : Stable under normal conditions of storage, handling and use.

### SECTION 10 Stability and reactivity (continued)

#### 10.3. Possibility of hazardous reactions

Hazardous reactions : None.  
Hazardous properties : None

#### 10.4. Conditions to avoid

Conditions to avoid : None known.

#### 10.5. Incompatible materials

Materials to avoid : Strong acids.

#### 10.6. Hazardous decomposition products

None known.

### SECTION 11 Toxicological information

#### 11.1. Information on toxicological effects

Toxicity information : No data available.  
Acute toxicity : 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.

#### 11.2 Additional information:

- On product : The inhalation of quartz containing dust, in particular 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). However, for this product, with exposure assessments performed by accredited European laboratories using reference workplace monitoring methods, any quartz levels in the respirable dust were below the detection limit.  
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)."

### SECTION 12 Ecological information

#### 12.1. Toxicity

No known effects.

#### 12.2. Persistence - degradability

No data available.

#### 12.3. Bioaccumulative potential

No data available.

### SECTION 12 Ecological information (continued)

#### 12.4. Mobility in soil

No data available.

#### 12.5. Results of PBT and vPvB assessment

No data available.

#### 12.6. Other adverse effects

No information available.

Ecological effects information : No data available.

### SECTION 13 Disposal considerations

#### 13.1. Waste treatment methods

Handle as construction industry waste.

#### 13.2. General

Product disposal : Dispose in a safe manner in accordance with local/national regulations.

Packaging disposal : Dispose according to local legislation.

EWC (European Waste Catalogue) - N° : 170107

### SECTION 14 Transport information

General information : Not classified as dangerous in the meaning of transport regulations.

### SECTION 15 Regulatory information

Symbol(s) : None.

R Phrase(s) : None.

S Phrase(s) : None.

### SECTION 16 Other information

Further information : None.

#### **DISCLAIMER OF LIABILITY**

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

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.

The contents and format of this SDS are in accordance with REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

# SAFETY DATA SHEET



---

**MONALITE® M1**

Date : 16 / 1 / 2014

Supersedes : 0 / 0 / 0

---

---

**End of document**