

MONOLUX® 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 8 February 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 of the article and of the company/undertaking

#### 1.1. Product identifier

Product form : Article  
Product name : MONOLUX®  
Product group : Medium dense calcium silicate board.

#### 1.2. Relevant identified uses of the Article and uses advised against

##### 1.2.1. Use of the Article

Main use category : Professional use  
Function or use category : High temperature insulation

##### 1.2.2. Uses advised against

No additional information available

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

##### Supplier

Promat International N.V.  
Bormstraat 16  
2830 Tisseelt - BELGIUM  
T +32 15 71 81 00 - F +32 15 71 81 09  
[info@promat-international.com](mailto:info@promat-international.com) - [website: www.promat-international.com](http://www.promat-international.com)

##### Other

Promat TOP Sp. z.o.o.  
ul. Przeclawska 8  
03-879 Warszawa - Poland  
T +48-22 212 2280 - F +48-22 212 2290  
[top@promatop.pl](mailto:top@promatop.pl) - [www.promatop.pl](http://www.promatop.pl)

##### Other

Promat S.p.A.  
Via Perlasca 14  
27010 Vellezzo Bellini (PV) - Italy  
T +39 0382 4575 200 - F +39 0382 926 900  
[info@promat.it](mailto:info@promat.it) - [www.promat.it](http://www.promat.it)

##### Other

Promat Nordic  
Kometvej 36  
6230 Rodekro - Denmark  
T +45 7366 1999 - F +45 7466 1020  
[info@promat.nu](mailto:info@promat.nu) - [www.promat.nu](http://www.promat.nu)

##### Other

Promat GmbH  
Scheifenkamp 16  
40878 Ratingen - Germany  
T +49-2102 493 0 - F +49-2102 493 111  
[mail@promat.de](mailto:mail@promat.de) - [www.promat.de](http://www.promat.de)

##### Other

Promat d.o.o.  
Trata 50  
4220 Skofja Loka - Slovenia  
T +386 4 51 51 451 - F +386 4 51 51 450  
[info@promat-see.com](mailto:info@promat-see.com) - [www.promat-see.com](http://www.promat-see.com)

##### Other

Promat AG

##### Other

Promat UK Ltd.  
The Sterling Centre  
RG12 2TD Bracknell - United Kingdom  
T +44 1344 381 300 - F +44 1344 381 301  
[marketinguk@promat.co.uk](mailto:marketinguk@promat.co.uk) - [www.promat.co.uk](http://www.promat.co.uk)

##### Other

Promat s.r.o.  
Ckalova 22/784  
16000 Praha 6 - Bubenec - Czechia  
T +420 224 390 811 - F +420 233 333 576  
[promat@promatpraha.cz](mailto:promat@promatpraha.cz) - [www.promatpraha.cz](http://www.promatpraha.cz)

##### Other

Promat S.A.S.  
Rue de l'Amandier  
78540 Vernouillet - France  
T +33 1 39 79 61 60 - F +33 1 39 71 16 60  
[info@promat.fr](mailto:info@promat.fr) - [www.promat.fr](http://www.promat.fr)

##### Other

Promat Ibérica S.A.  
C/ Velazquez, 47 – 6° Izquierda  
28001 Madrid - Spain  
T +34 91 781 1550 - F +34 91 575 15 97  
[info@promat.es](mailto:info@promat.es) - [www.promat.es](http://www.promat.es)

##### Other

Promat GmbH  
St.-Peter-Straße 25  
4021 Linz - Austria  
T +43 732-6912-0 - F +43 732-6912-3740  
[office@promat.at](mailto:office@promat.at) - [www.promat.at](http://www.promat.at)

##### Other

Promat B.V.  
Vleugelboot 22  
3991 CL Houten - Nederland  
T +31 30 241 0770 - F +31 30 241 0771  
[info@promat.nl](mailto:info@promat.nl) - [www.promat.nl](http://www.promat.nl)

##### Other

A + B (Promat Russia)

# MONOLUX®

## Safety information

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Stationsstrasse 1  
8545 Rickenbach Sulz - Switzerland  
T +41 52 320 9400 - F +41 52 320 9402  
[office@promat.ch](mailto:office@promat.ch) - [www.promat.ch](http://www.promat.ch)

ul. Vernadskogo 84/2  
119/606 Moscow - Russia  
T +7 (495) 246-0101 - F +7 (495) 246-0192  
[sales@promat.ru](mailto:sales@promat.ru) - [www.promat.ru](http://www.promat.ru)

### 1.4. Emergency telephone number

Emergency number : +32 15 71 81 00  
During office hours:  
Monday-Friday: 8.00 a.m. - 5.00 p.m. (MEZ) .  
Language  
English  
French  
Dutch

## SECTION 2: Hazards identification

### 2.1. Classification of the article

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

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.

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

### 2.3. Other hazards

Other hazards not contributing to the classification : For the installed product in its final application: no hazards known.  
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, 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.

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Not applicable

### 3.3. Article

Components : Calcium silicate hydrates, cellulose fibres, quartz, mineral fillers.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Seek medical attention if ill effect or irritation develops.  
First-aid measures after inhalation : Remove to fresh air and drink water.  
First-aid measures after skin contact : Wash skin with plenty of water.  
First-aid measures after eye contact : Do not rub the eye. Rinse immediately with plenty of water. If eye irritation persists: Get medical advice/attention.  
First-aid measures after ingestion : Drink water.

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

Symptoms/injuries after inhalation : May cause irritation to the respiratory tract and to other mucous membranes.  
Symptoms/injuries after skin contact : Prolonged skin contact may lead to skin irritation for sensitive persons.  
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.

# MONOLUX®

## Safety information

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : All extinguishing media can be used.

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

Fire hazard : Nothing to report.  
Explosion hazard : Product is not explosive.  
Reactivity in case of fire : The product is non-combustible.

### 5.3. Advice for firefighters

Protection during firefighting : 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

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.

#### 6.1.1. For non-emergency personnel

Protective equipment : Use recommended respiratory protection.  
Measures in case of dust release : Prevent spread of dust. Dampen down any dust or use vacuum cleaner with correct filter.

#### 6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.  
Emergency procedures : Stop dust release.

### 6.2. Environmental precautions

Prevent spread of dust.

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

For containment : Use closed containers to avoid dust release.  
Methods for cleaning up : Shovel up small pieces. Dampen down any dust before putting into appropriate skips.

### 6.4. 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

Storage conditions : 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

Crystalline silica (quartz) (14808-60-7)		
Ireland	Local name	Quartz, respirable dust, (see Silica, crystalline)
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup>
United Kingdom	Local name	crystalline silica (quartz), respirable
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup>
Silicic acid, calcium salt (1344-95-2)		
United Kingdom	Local name	Calcium silicate
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> inhalable dust 4 mg/m <sup>3</sup> respirable

# MONOLUX®

## Safety information

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Cellulose (pulp) (65996-61-4)		
United Kingdom	Local name	Cellulose
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> inhalable dust 4 mg/m <sup>3</sup> respirable
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup> inhalable dust

Occupational Exposure Limits / Workplace Exposure Limits for particles not otherwise classified or regulated (nuisance dust) : - in UK: Inhalable: 10 mg/m<sup>3</sup>. Respirable: 4 mg/m<sup>3</sup>  
- in Ireland: Inhalable: 10 mg/m<sup>3</sup>. Respirable: 4 mg/m<sup>3</sup>

### 8.2. Exposure controls

- Appropriate engineering controls : Ensure vacuum dust exhaust with correct filter when using motorised machining tools. 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. Check the latest Occupational Exposure Limits (OEL) or Workplace Exposure Limits (WEL in the UK) for airborne contaminants that are applicable in your country.
- 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
- 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)



- Environmental exposure controls : Avoid release to the environment.
- Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- Physical state : Solid
- Appearance : Board.
- Colour : Off-white.
- Odour : None.
- Odour threshold : No data available
- pH : ≈ 10
- Relative evaporation rate (butylacetate=1) : Not applicable
- Relative evaporation rate (ether=1) : Not applicable
- Melting point : No data available
- Freezing point : No data available
- Boiling point : No data available
- Flash point : No data available
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Flammability (solid, gas) : Not flammable
- Vapour pressure : Not applicable
- Relative vapour density at 20 °C : Not applicable
- Relative density : No data available
- Density : ≈ 950 kg/m<sup>3</sup>
- Solubility : insoluble in water.
- Log Pow : No data available
- Viscosity, kinematic : Not applicable
- Viscosity, dynamic : Not applicable
- Explosive properties : Not applicable.
- Oxidising properties : No data available
- Explosive limits : No data available

# MONOLUX®

## Safety information

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 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

### 11.1. Information on toxicological effects

Acute toxicity	: 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: ≈ 10
Serious eye damage/irritation	: Not classified	pH: ≈ 10
Respiratory or skin sensitisation	: Not classified	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Not classified	
Reproductive toxicity	: Not classified	
Specific target organ toxicity (single exposure)	: Not classified	
Specific target organ toxicity (repeated exposure)	: Not classified	
Aspiration hazard	: Not classified	
Other information	: 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). 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

Ecology - general : No known effects.

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

Component	
Crystalline silica (quartz) (14808-60-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

# MONOLUX®

## Safety information

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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

### 12.6. Other adverse effects

Other adverse effects : No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Handle as construction industry waste.  
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not regulated for transport				
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

### 14.6. Special precautions for user

#### - Overland transport

No data available

#### - Transport by sea

No data available

#### - Air transport

No data available

#### - Inland waterway transport

Carriage prohibited (ADN) : No  
Not subject to ADN : No

#### - Rail transport

Carriage prohibited (RID) : No

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

Contains no substance on the REACH candidate list

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Safety information applicable for regions : CY;GB;GI;IE;IS;MT

### DISCLAIMER OF LIABILITY

*The Safety Information given in this document 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 Safety Information was prepared and is to be used only for this product. If the product is used as a component in another product, this Safety 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.*