Promat TLFR BOARD®

Safety information

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Promat TLFR BOARD® is an article within the meaning of REACH (REGULATION (EC) No 1907/2006) and as retained in UK law according to Statutory Instrument 2019 No 758 The REACH etc (Amendment etc) (EU Exit) Regulations 2019 ("UK REACH Regulation"). Safety data sheets 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 UK Regulator or substances on the Candidate List of Substances of Very High Concern for Authorisation. Even if this article is not subjected to any obligation to classify or label (Art 4 of Regulation (EC) No 1272/2008 and its equivalent retained in UK law), Promat has decided to provide information about identification, first aid and release measures, exposure control, disposal and transport.
This safety information sheet gives details to industrial and professional users on the safe use of this article. Throughout this document, references to EU Regulation include the equivalent regulations retained in UK law after 31 December 2020.

SECTION 1: Identification of the article and of the company/undertaking

1.1. Product identifier

Product form : Article
Product name : Promat TLFR BOARD®
Type of product : Board
Product group : Trade product

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 : Building board

1.2.2. Uses advised against

No additional information available.

1.3. Details of the supplier of the safety data sheet

Supplier
Etex Building Performance Limited
Gordano House, Marsh Lane, Easton-in-Gordano
Eastern Road
BS20 0NE Bristol - UNITED KINGDOM
T +44 (0800) 373 636
marketinguk@promat.co.uk - www.promat.co.uk

Other
Etex Middle East LLC
Plot No. 597-921 Dubai Investment Park 2
123945 Dubai - UNITED ARAB EMIRATES
T +971 4 885 3070 - F +971 4 885 3588
info@promatfp.ae - www.promat.com

1.4. Emergency telephone number

Emergency number : Please contact a regional poison center or emergency telephone number.

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	NHS 111/NHS 24/NHS Direct		111 0845 4647	or call a doctor

SECTION 2: Hazards identification

2.1. Classification of the article

Not applicable : articles are not subjected to any obligation to classify (Art 4 of Regulation (EC) No 1272/2008)

2.2. Label elements

Not Applicable according to the CLP Regulation No (EC) 1272/2008.

2.3. Other hazards

Other hazards which do not result in classification : By handling and processing 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. 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. 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.

Component	
Silicic acid, calcium salt (crystalline) (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

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Not applicable

3.3. Article

Components : Calcium silicate board bonded to stone wool insulation

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Rinse throat with water and blow nose to evacuate dust. Seek medical attention if irritation or symptoms persist.

First-aid measures after skin contact : Take off contaminated clothing. Gently wash with plenty of soap and water. Use preferably cold water. Seek medical attention if irritation or symptoms persist.

First-aid measures after eye contact : Do not rub the eye. Immediately rinse with water for a prolonged period while holding the eyelids wide open. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Ingestion unlikely due to product form. Rinse mouth thoroughly, drink plenty of water. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after inhalation : May cause irritation to the respiratory tract and to other mucous membranes.

Symptoms/effects after skin contact : The mechanical effect of fibres in contact with skin can cause temporary itching. 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/effects after eye contact : Eye contact with dust may lead to transient eye irritation or inflammation.

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. Use extinguishing media appropriate for surrounding fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard : The product is non-combustible. Packaging may burn.
Hazardous decomposition products in case of fire : When heated to decomposition, emits toxic fumes.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Measures in case of dust release : Wear personal protective equipment. Prevent spread of dust. Dampen down any dust or use vacuum cleaner with correct filter.

6.1.2. For emergency responders

No additional information available.

6.2. Environmental precautions

Prevent spread of dust. Do not allow entry to drains, sewers, water courses or soil.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Spray with water before sweeping or use vacuum equipment. Dispose in a safe manner in accordance with local/national regulations.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8. For disposal of solid materials or residues refer to section 13 : "Disposal considerations".

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 : Avoid dust formation. Use tools with appropriate dust exhaust equipment. Work in a well ventilated area. 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. Handle in accordance with good industrial hygiene and safety procedures.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep material in original packaging until it is to be used. Store material to protect against damage including the weather.

7.3. Specific end use(s)

No additional information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Promat TLFR BOARD®	
EU - Indicative Occupational Exposure Limit (IOEL)	
	Observe the national general dust exposure limit when processing.
SCOEL/SUM/88 - March 2012 recommendation for man made mineral fibers (MMMF) without indication of carcinogenicity	1 fibre/ml. (TWA - Average of 8 working hours).

Silicic acid, calcium salt (crystalline) (1344-95-2)	
Ireland - Occupational Exposure Limits	
Local name	Calcium silicate Synthetic non fibrous
OEL TWA [1]	0.5 mg/m³ R (Respirable) 1 fibers/cm³
United Kingdom - Occupational Exposure Limits	
Local name	Calcium silicate
WEL TWA (OEL TWA) [1]	10 mg/m³ inhalable dust 4 mg/m³ respirable
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

MICA (12001-26-2)	
Ireland - Occupational Exposure Limits	
Local name	Mica
OEL TWA [1]	3 mg/m³ R (Respirable Fraction)
Regulatory reference	Chemical Agents Code of Practice 2021
United Kingdom - Occupational Exposure Limits	
Local name	Mica
WEL TWA (OEL TWA) [1]	0.8 mg/m³ respirable 10 mg/m³ total inhalable
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.1.2. Recommended monitoring procedures

No additional information available.

8.1.3. Air contaminants formed

No additional information available.

8.1.4. DNEL and PNEC

No additional information available.

8.1.5. Control banding

No additional information available.

8.2. Exposure controls

8.2.1. Appropriate engineering 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.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

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

8.2.2.2. Skin protection

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

8.2.2.3. Respiratory protection

Respiratory protection:
Avoid breathing dust. 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 dust mask. For higher exposure, use a P3 type mask).

8.2.2.4. Thermal hazards

No additional information available.

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Colour	:	Not available
Appearance	:	Board.
Odour	:	odourless.
Odour threshold	:	Not available
Melting point	:	Not available
Freezing point	:	Not available
Boiling point	:	Not available
Flammability	:	Not available
Explosive limits	:	Not applicable
Lower explosion limit	:	Not applicable
Upper explosion limit	:	Not applicable
Flash point	:	Not applicable
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	≈ 200 °C When the stone wool component is heated for the first time to approximately 200°C, release of binder components and binder decomposition products occur.
pH	:	Facing Board: 11 ; Backing Insulation: 7 - 9
pH solution	:	Not available
Viscosity, kinematic	:	Not applicable
Solubility	:	insoluble in water.

Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	Not available
Vapour pressure at 50 °C	:	Not available
Density	:	≈ 1300 kg/m³ Facing Board
Relative density	:	Not available
Relative vapour density at 20 °C	:	Not applicable
Particle size	:	Not available
Particle size distribution	:	Not available
Particle shape	:	Not available
Particle aspect ratio	:	Not available
Particle aggregation state	:	Not available
Particle agglomeration state	:	Not available
Particle specific surface area	:	Not available
Particle dustiness	:	Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available.

9.2.2. Other safety characteristics

No additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

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 known.

10.5. Incompatible materials

Strong acids.

10.6. Hazardous decomposition products

Upon first heating the organic content may decompose with emission of hazardous gases.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified
Additional information	:	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.

Silicic acid, calcium salt (crystalline) (1344-95-2)	
LC50 Inhalation - Rat (Dust/Mist)	> 4.9 mg/l/4h

Skin corrosion/irritation	:	Not classified pH: Facing Board: 11 ; Backing Insulation: 7 - 9
Additional information	:	The mechanical effect of fibres in contact with skin can cause temporary itching.
Serious eye damage/irritation	:	Not classified pH: Facing Board: 11 ; Backing Insulation: 7 - 9
Respiratory or skin sensitisation	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified (REGULATION (EC) No 1272/2008 - CLP - Note Q: The classification as a carcinogen need not apply if it can be shown that the substance fulfils one of the following conditions: (1) a short term biopersistence test by inhalation has shown that the fibres longer than 20 µm have a weighted half-life less than 10 days, or (2) a short term biopersistence test by intratracheal instillation has shown that the fibres longer than 20 µm have a weighted half-life less than 40 days, or (3) an appropriate intra-peritoneal test has shown no evidence of excess carcinogenicity, or (4) absence of relevant pathogenicity or neoplastic changes in a suitable long term inhalation test.)
Additional information	:	According to the International Agency for Research on Cancer (IARC Monograph Volume 81 - 2001) " Rock mineral wool fibres : not classifiable with respect to human carcinogenicity (IARC Group 3)."
Reproductive toxicity	:	Not classified
STOT-single exposure	:	Not classified
STOT-repeated exposure	:	Not classified
Aspiration hazard	:	Not classified

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

11.2.2 Other information

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.
Hazardous to the aquatic environment, short–term (acute)	:	Not classified
Hazardous to the aquatic environment, long–term (chronic)	:	Not classified

12.2. Persistence and degradability

Silicic acid, calcium salt (crystalline) (1344-95-2)	
Persistence and degradability	Hydrolysis half-life: < 6 days. Substance is inorganic and therefore not subjected to biodegradation.

12.3. Bioaccumulative potential

Silicic acid, calcium salt (crystalline) (1344-95-2)	
Bioaccumulative potential	Substance is inorganic and therefore not subjected to bioaccumulation.

12.4. Mobility in soil

Silicic acid, calcium salt (crystalline) (1344-95-2)	
Ecology - soil	Substance has a low potential for adsorption.

12.5. Results of PBT and vPvB assessment

Component	
Silicic acid, calcium salt (crystalline) (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. Endocrine disrupting properties

No additional information available.

12.7. Other adverse effects

No additional information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Handle as construction industry waste.
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
European List of Waste (LoW) code : Please refer to the European list (Decision N° 2000/532/CE) to identify the wastes appropriate waste number.

SECTION 14: Transport information

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

14.1. UN number or ID number

UN-No. (ADR) : Not established.
UN-No. (IMDG) : Not established.
UN-No. (IATA) : Not established.
UN-No. (ADN) : Not established.
UN-No. (RID) : Not established.

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not established.
Proper Shipping Name (IMDG) : Not established.
Proper Shipping Name (IATA) : Not established.
Proper Shipping Name (ADN) : Not established.
Proper Shipping Name (RID) : Not established.

14.3. Transport hazard class(es)

ADR
Transport hazard class(es) (ADR) : Not established.

IMDG
Transport hazard class(es) (IMDG) : Not established.

IATA
Transport hazard class(es) (IATA) : Not established.

ADN
Transport hazard class(es) (ADN) : Not established.

RID
Transport hazard class(es) (RID) : Not established.

14.4. Packing group

Packing group (ADR) : Not established.
Packing group (IMDG) : Not established.
Packing group (IATA) : Not established.
Packing group (ADN) : Not established.
Packing group (RID) : Not established.

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user

Overland transport
Not established.

Transport by sea
Not established.

Air transport
Not established.

Inland waterway transport
Not established.

Rail transport
Not established.

14.7. Maritime transport in bulk according to IMO instruments

Not established.

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.
Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.
Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

15.1.2. National regulations

No additional information available.

15.2. Chemical safety assessment

No additional information available.

SECTION 16: Other information

Indication of changes:
1.4. Emergency phone number.

Safety information applicable for regions : IE;GB

DISCLAIMER OF LIABILITY

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.