MASTERBOARD®

Safety information

Revision date: 6/14/2021 Supersedes version of: 4/19/2021 Version: 1.1

MASTERBOARD® 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. 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 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.

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

1.1. Product identifier

Product form	:	Article
Product name	:	MASTERBOARD®
Product group	:	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	:	Building board for general use.

1.2.2. Uses advised against

No additional information available.

1.3. Details of the supplier of the safety data sheet

Supplier
Eternit Guangzhou Building Systems Co., Ltd.
No. 2, Tai Hua Street, Yonghe Economic District
Guangzhou City, Guangdong Province 511356 - CHINA
eternitgz@eternit.com.cn - www.eternit.com.cn

Other
Etex Malaysia Sdn. Bhd. (formerly known as Promat Malaysia)
Unit 19-02-01, Level 2, Wisma Tune
No 19, Lorong Dungun, Damansara Heights
50490 Kuala Lumpur - MALAYSIA
T +603 2095 8555
promat.my@etexgroup.com - www.promat.com/en-my

Other
Promat Building Systems Pte. Ltd.
10 Science Park Road, #03-14 the Alpha Singapore Science Park II
117684 - SINGAPORE
T +65 6776 7635
promat.sg@etexgroup.com - www.promat.com/en-sg

Other
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Room 1010, C.C Wu Building, 302-308 Hennessy Road
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SA 5031 Adelaide - AUSTRALIA
T +61 8 8352 6759 - F +61 8 8352 1014
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promat.cn@etexgroup.com - www.promat.com.cn

1.4. Emergency telephone number

No additional information available.

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

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

2.3. Other hazards

Other hazards which do not result in classification : 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, 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.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Not applicable

3.3. Article

Components : Calcium silicate hydrates, cement, cellulose fibers, 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 : Ingestion unlikely due to product form. Do not induce vomiting. Rinse mouth. Drink plenty of water.

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 : 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/effects after eye contact : Eye contact with dust may lead to transient eye irritation or inflammation.
Symptoms/effects after ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

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 : 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.
Explosion hazard : Product is not explosive.

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 : Minimise 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. Do not allow to enter drains or water courses.

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)

For more information regarding the use of this product, please refer to our technical information or contact the sales department in your region.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Crystalline silica (quartz) (14808-60-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Silica crystaline (Quartz)
IOEL TWA	0.05 mg/m³ (respirable dust)
Notes	(Year of adoption 2003)
Regulatory reference	SCOEL Recommendations

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

Occupational Exposure Limits / Workplace Exposure Limits for particles not otherwise classified or regulated (nuisance dust) : - in UK: Inhalable: 10 mg/m3. Respirable: 4 mg/m3
- in Ireland: Inhalable: 10 mg/m3. Respirable: 4 mg/m3

Additional information : Ensure all national/local regulations are observed.

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

Personal protective equipment symbol(s):

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 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 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.

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
Colour	:	Off-white.
Appearance	:	Board.
Odour	:	None.
Odour threshold	:	Not available
Melting point	:	Not available
Freezing point	:	Not available
Boiling point	:	Not available
Flammability	:	Not flammable
Explosive properties	:	Not applicable.
Explosive limits	:	Not applicable
Lower explosive limit (LEL)	:	Not applicable
Upper explosive limit (UEL)	:	Not applicable
Flash point	:	Not applicable
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	Not available
pH	:	7 – 10
pH solution	:	Not available
Viscosity, kinematic	:	Not applicable
Viscosity, dynamic	:	Not applicable
Solubility	:	insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	Not applicable
Vapour pressure at 50 °C	:	Not available
Density	:	≈ 910 kg/m³
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

Relative evaporation rate (butylacetate=1) : Not applicable
Relative evaporation rate (ether=1) : Not applicable

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

No additional information available.

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.

Portland cement (65997-15-1)	
LD50 oral	> 2000 mg/kg mouse
LD50 dermal rabbit	> 2000 mg/kg LD0 : 2000 mg/kg

Skin corrosion/irritation : Not classified
pH: 7 – 10
Serious eye damage/irritation : Not classified
pH: 7 – 10
Respiratory or skin sensitisation : Not classified.
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

Portland cement (65997-15-1)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

MASTERBOARD®	
Viscosity, kinematic	Not applicable

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

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

No additional information available.

12.6. Endocrine disrupting properties

No additional information available.

12.7. Other adverse effects

Other adverse effects : No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.
Waste treatment methods : Handle as construction industry waste.
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

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 chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:
1.3. Details of the supplier of the safety data sheet. 16. Other information.

Full text of H- and EUH-statements:	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

The classification complies with : ATP 12

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.