

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 17.10.2016

Version number 2

Revision: 17.10.2016

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

· 1.1 Product identifier

· Trade name: Thermal Liner Board

· MSDS code: W-PL000152

· 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

· Application of the substance / the mixture Fire retarding agent

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

Firetherm

Unit F, Acorn Industrial Park, Crayford Road, Crayford, Kent, DA1 4FT

T: +44 (0) 1322551010

technical@firetherm.com

· Further information obtainable from:

See above-mentioned address

· 1.4 Emergency telephone number:

Monday to Friday 08:30 - 17:30 tel.: +44 (0) 1322551010. At all other times please contact your national poisoning centre.

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008

Not applicable.

The product is not classified according to the CLP regulation.

· 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008 Void

· Hazard pictograms Void

· Signal word Void

· Hazard statements Void

· Information concerning particular hazards for human and environment:

Dust may irritate the eyes and the respiratory system.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· Description:

Fibrous.

Article of substances listed below with non-hazardous additions.

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· Dangerous components:

CAS: 287922-11-6 EC number: 608-250-8 Reg.nr.: 01-2119472313-44-xxxx	rock fibre substance with a Community workplace exposure limit	75- <100%
CAS: 9004-34-6 EINECS: 232-674-9	Cellulose substance with a Community workplace exposure limit	1- <5%
CAS: 12001-26-2	Mica substance with a Community workplace exposure limit	1- <5%

· Additional information:

This product is an "article" as defined under the REACH Regulation (EC) 1907/2006 Title I, Chapter 2, Article 3.

Out of scope for safety data sheet requirements under the REACH Regulation (EC) 1907/2006 Title IV, Article 31.

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures**· 4.1 Description of first aid measures**

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing: Not applicable.**· 4.2 Most important symptoms and effects, both acute and delayed**

Dust may irritate the eyes and the respiratory system.

· **Information for doctor:** No further relevant information available.

· **Hazards** No further relevant information available.

· 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures**· 5.1 Extinguishing media****· Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

· 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Carbon monoxide (CO)

Carbon dioxide

· 5.3 Advice for firefighters

· **Protective equipment:** Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures**· 6.1 Personal precautions, protective equipment and emergency procedures**

Avoid formation of dust.

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Ensure adequate ventilation

Wear protective clothing.

- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

- **6.3 Methods and material for containment and cleaning up:**

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

- **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**

Avoid contact with the eyes and skin.

Prevent formation of dust.

Any unavoidable deposit of dust must be regularly removed.

Do not dry clean dust covered objects and floors. Wash thoroughly with plenty of water.

- **7.2 Conditions for safe storage, including any incompatibilities**

- **Storage:**

- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.

- **Information about storage in one common storage facility:** Store away from water.

- **Further information about storage conditions:**

Store in dry conditions.

Protect from humidity and water.

Storage temperature: +5 °C to +25 °C

Store horizontally.

- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

287922-11-6 rock fibre

WEL Long-term value: 5* mg/m³

*airborne dust

9004-34-6 Cellulose

WEL Short-term value: 20* mg/m³Long-term value: 10* 4** mg/m³

*inhalable dust **respirable

12001-26-2 Mica

WEL Long-term value: 10* 0.8** mg/m³

*total inhalable **respirable

- **Additional information:**

The lists valid during the making were used as basis.

EH40/2005 Workplace Exposure Limits (2nd edition, 2011)

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- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Avoid contact with the eyes and skin.
Do not breathe dust.
Wash contaminated clothing before reuse.
Wash hands before breaks and at the end of work.
- **Respiratory protection:**
Prevent formation of dust.
Use suitable respiratory protective device in case of insufficient ventilation.



Dust/Particulate mask.

Filter FFP1

Filter FFP2

- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves**
Strong material gloves
Wear gloves for the protection against mechanical hazards according to EN 388.
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Light weight protective clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Solid
Colour:	Light Grey & Brown
Odour:	Odourless

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- | | |
|--------------------------------------------------|-----------------------------------------------|
| · Melting point/Melting range: | Undetermined. |
| · Flash point: | Not applicable. |
| · Danger of explosion: | Product does not present an explosion hazard. |
| · Density: | Not determined. |
| · Solubility in / Miscibility with water: | Insoluble. |
| · Solvent content: | |
| Solids content: | 100% |
| · 9.2 Other information | No further relevant information available. |

SECTION 10: Stability and reactivity

- **10.1 Reactivity** Stable
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** Stable up to melting point.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** Water / moisture.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
Poisonous gases/vapours
Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Irritating effect.
- **Serious eye damage/irritation** Dust may irritate the eyes and the respiratory system.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** Not easily biodegradable
- **12.3 Bioaccumulative potential** Does not accumulate in organisms
- **12.4 Mobility in soil** Insoluble.

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- **Additional ecological information:**
- **General notes:**
Generally not hazardous for water
Avoid transfer into the environment.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Disposal must be made according to official regulations.
- **Waste disposal key:** UK (WM3) : n/a

- **European waste catalogue**

17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03
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- **Uncleaned packaging:**
- **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

SECTION 14: Transport information

- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <ul style="list-style-type: none"> · 14.1 UN-Number · ADR, ADN, IMDG, IATA | Void |
| <ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA | Void |
| <ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class | Void |
| <ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA | Void |
| <ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: | No |
| <ul style="list-style-type: none"> · 14.6 Special precautions for user | Not applicable. |
| <ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| <ul style="list-style-type: none"> · UN "Model Regulation": | Void |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
"CLP" Regulation (EC) No 1272/2008 (OJ L 353, 31.12.2008, p.1).
"REACH" Regulation (EC) No 1907/2006 (OJ L 396, 30.12.2006, p.1, with subsequent amendments).

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COMMISSION REGULATION (EU) 2015/830 of 28 May 2015.

- **National regulations:**
- **Additional classification according to Decree on Hazardous Materials, Annex II:**
No further relevant information available.
- **Information about limitation of use:** No further relevant information available.
- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57** Not applicable.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

- *** Data compared to the previous version altered.**