

SAFETY DATA SHEET

Version: 3.0 Date: 27.11.2014

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH),
1272/2008 (CLP) & 2015/830

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1	Product identifier Product Name Product identification CAS No. EINECS No. REACH Registration No.	Magboard Magnesium and other refractory products Mixture Mixture None assigned.
1.2	Relevant identified uses of the substance or mixture and uses advised against Identified Use(s) Uses Advised Against	Moisture resistant fire rated cladding and lining , partitions , duct and tunnel linings None known.
1.3	Details of the supplier of the safety data sheet Company Identification Telephone Languages spoken	Magboard Benelux Postbus 302, 4700 AH Roosendaal Email: info@magboardbenelux.com The Netherlands 0031-646220530 or 0031-648610241 English and Dutch

1.4 SECTION 2: HAZARDS IDENTIFICATION

2.

2.1	Classification of the substance or mixture	
2.1	Regulation (EC) No. 1272/2008 (CLP)	Not classified as hazardous for supply/use.
2.2	Label elements Product Name Hazard Pictogram(s) Signal Word(s) Hazard Statement(s) Precautionary Statement(s)	According to Regulation (EC) No. 1272/2008 (CLP) Magboard None assigned None assigned. None assigned None assigned
2.3	Other hazards	Handling of this material may generate a dust which can cause mechanical irritation of the eyes, skin nose and throat.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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3.1 Substances Not applicable

3.2 Mixtures Substances in preparations / mixtures EC
Classification Regulation (EC) No. 1272/2008 (CLP)

Chemical identity of the substance	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard Statement(s)
Non-classified ingredients	< 99	-	-	Not yet assigned in the supply chain	Not classified
Iron Sulfate	< 10	7720-78-7	231-753-5	Not yet assigned in the supply chain	Acute Tox. 4; H302: Harmful if swallowed. Skin Irrit. 2; H315: Causes skin irritation. Eye Irrit. 2; H319: Causes serious eye irritation.
Cellulose	< 10	9004-34-6	232-674-9	Not yet assigned in the supply chain	Not classified
Calcium Carbonate	< 10	471-34-1	207-439-9	Not yet assigned in the supply chain	Not classified
Iron Oxide	< 1	1345-25-1	215-721-8	Not yet assigned in the supply chain	Not classified

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin Contact

Remove contaminated clothing and wash all affected areas with plenty of water. If irritation occurs, do not rub or scratch, rinse under running water prior to washing thoroughly with water. If irritation (redness, rash, blistering) develops, get medical attention.

Eye Contact

Hold eye open and rinse slowly and gently with water for 15-20 minutes. If eye irritation persists: Get medical advice/attention.

Ingestion

Get medical advice/attention if you feel unwell. Do not induce vomiting unless instructed to do so by medical personnel.

4.2 Most important symptoms and effects, both acute and delayed

There is potential for low irritation if dust is inhaled which may induce a mild cough. Handling of this material may generate a dust which can cause mechanical irritation of the eyes, skin nose and throat.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media

Not classified as flammable. Non-combustible. This product is a fire protection product and will not induce, accelerate or maintain fire. Product will not need to be extinguished. Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing Media

None known.

5.2 Special hazards arising from the substance or mixture

This product does not produce toxic smoke or fumes under fire exposure

5.3 Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. Keep containers cool by spraying

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with water if exposed to fire. Avoid run off to waterways and sewers.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation. Avoid breathing dust. Ensure suitable personal protection during removal of spillages.
- 6.2 Environmental precautions** Avoid release to the environment.
- 6.3 Methods and material for containment and cleaning up** Massive form: Pick up material, avoiding generation of dust. Transfer to a container for disposal or recovery.
Dust: Sweep spilled substances into containers if appropriate moisten first to prevent dusting. Use vacuum equipment for collecting spilt materials, where practicable. Transfer to a container for disposal or recovery.
- 6.4 Reference to other sections** See Section: 8, 13

7. SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Ensure adequate ventilation. Avoid breathing dust. In case of inadequate ventilation wear respiratory protection. Wear protective gloves/protective clothing/eye protection/face protection. Avoid contact with skin, eyes or clothing. Wash hands before breaks and after work. Do not eat, drink or smoke when using this product.
- 7.2 Conditions for safe storage, including any incompatibilities** Store in a cool/low-temperature, well-ventilated (dry) place.
- Storage temperature Ambient.
- Storage life Stable under normal conditions.
- Incompatible materials None known.
- 7.3 Specific end use(s)** Moisture resistant fire rated cladding and lining , partitions , duct and tunnel linings. See Section: 1.2

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
- 8.1.1 Occupational Exposure Limits**

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Inhalable Dust	None	-	10	-	-	WEL
Respirable Dust		-	4	-	-	WEL
Cellulose	9004-34-6	Inhalable Aerosol	-	10	-	WEL
		Respirable Aerosol	-	4	-	WEL
Calcium Carbonate	471-34-1	Inhalable Aerosol	-	10	-	WEL
		Respirable Aerosol	-	4	-	WEL
Iron oxide, fume or respirable dust (as Fe)	1345-25-1	-	5	-	10	WEL

Source: WEL: Workplace Exposure Limit (UK HSE EH40)




- 8.1.2 Biological limit value**

Not established.

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8.1.3	PNECs and DNELs	Not established.
8.2	Exposure controls	
8.2.1		Appropriate engineering controls Ensure adequate ventilation. Atmospheric concentrations should be minimised and kept as low as reasonably practicable below the occupational exposure limit.
8.2.2	Individual protection measures, such as personal protective equipment (PPE)	Wash contaminated clothing before reuse. Avoid contact with skin and eyes. Personal protection to be worn as described below when CUTTING boards only.
	Eye/face protection	Normally no personal protective equipment is required
	 During cutting: Protective eye goggles should be worn to BS EN166 2A5	
	Skin protection	Hand protection
	 Normally no personal protective equipment is required. During cutting: The gloves type used must be chosen based on the work activity and duration as well as concentration/quantity of material being handled.	Recommended: Wear mechanically protective gloves (EN 388).
	Respiratory protection	Normally no personal protective equipment is required. During cutting: Wear overalls to avoid excessive dust build up on the skin
	 Normally no personal respiratory protection is necessary except when cutting material. An approved dust mask should be worn if exposure to levels above the occupational exposure limit is likely. During cutting: The use of a face mask is required. Recommended: Type EN 149 class FFP1S	None anticipated.
8.2.3	Environmental Exposure Controls	Avoid release to the environment.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	Information on basic physical and chemical properties (Substances in preparations / mixtures)	
	Appearance	Solid, White/ White Grey
	Odour	None
	Odour Threshold	Not established.
	pH	Not applicable
	Melting Point/Freezing Point	Not applicable
	Initial boiling point and boiling range	Not applicable
	Flash Point	Non-flammable.
	Evaporation Rate	Not established.
	Flammability (solid, gas)	Not applicable.
	Upper/lower flammability or explosive limits	Not applicable.
	Vapour pressure	Not established.
	Vapour density	Not established.
	Relative density	1050kg/m ³ ± 10 %
	Solubility(ies)	Not applicable
	Partition coefficient: n-octanol/water	Not applicable.
	Auto-ignition temperature	Not applicable.
	Decomposition Temperature	Not established.
	Viscosity	Not applicable.
	Explosive properties	Not explosive.

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Oxidising properties

Not oxidising.

9.2 Other information

None.

10. 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	None known.
10.4	Conditions to avoid	Keep away from sources of ignition.
10.5	Incompatible materials	None known.
10.6	Hazardous decomposition product(s)	This product does not produce toxic smoke or fumes under fire exposure.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects (Substances in pr Acute toxicity	parations / mixtures) Not classified. Handling of this material may generate a dust which can cause mechanical irritation of the eyes, skin nose and throat.
	Ingestion	Not classified
	Inhalation	Not classified
	Skin Contact	Not classified
	Skin corrosion/irritation	Not classified.
	Serious eye damage/irritation	Not classified.
	Respiratory or skin sensitization	Not classified.
	Germ cell mutagenicity	There is no evidence of mutagenic potential.
	Carcinogenicity	No evidence of carcinogenicity.
	Reproductive toxicity	Not classified.
	STOT - single exposure	Not classified.
	STOT - repeated exposure	Not classified.
	Aspiration hazard	Not classified.
11.2	Other information	None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Not classified as a Marine Pollutant.
12.2	Persistence and degradability	No data for the mixture as a whole.
12.3	Bioaccumulative potential	No data for the mixture as a whole.
12.4	Mobility in soil	No data for the mixture as a whole.
12.5	Results of PBT and VPVB assessment	None of the substances in this product fulfil the criteria for being regarded as a PBT or vPvB substance.
12.6	Other adverse effects	None known.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Dispose of contents in accordance with local, state or national legislation. European waste disposal code / WM3 EWC 17-06-04
13.2	Additional Information	None.

14. SECTION 14: TRANSPORT INFORMATION

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Not classified as dangerous for transport.

	ADR/RID	IMDG	IATA/ICAO
14.1 UN number	None assigned.	None assigned.	None assigned.
14.2 Proper Shipping Name	None assigned.	None assigned.	None assigned.
14.3 Transport hazard class(es)	None assigned.	None assigned.	None assigned.
14.4 Packing group	None assigned.	None assigned.	None assigned.
14.5 Environmental hazards	Not classified.	Not classified.	Not classified.
14.6 Special precautions for user	See Section: 2		
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.	Not applicable.	Not applicable.
14.8 Additional Information	None.		

15. SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1	EU regulations	
	Authorisations and/or Restrictions On Use	None.
15.1.2	National regulations	None known.
15.2	Chemical Safety Assessment	Not available.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

References: Existing Safety Data Sheet (SDS). Existing ECHA registration(s) for Cellulose (CAS No. 9004-34-6), Calcium Carbonate (CAS No.47134-1), Iron Sulfate (CAS No.7720-78-7), Iron Oxide (CAS No.1345-25-1).

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	PBT: Persistent, Bioaccumulative and Toxic
vPvB	vPvT: very Persistent and very Toxic
OECD	Organisation for Economic Cooperation and Development

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

Disclaimers

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Annex to the extended Safety Data Sheet (eSDS) Not available.