

# TRILITE RMS BOARD SAFETY DATA SHEET

Version: 2.0 Date: 27.06.2016



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

<b>1.1 Product identifier</b>	
Product Name	TRILITE RMS BOARD
Product identification	Magnesium and other refractory products
CAS No.	Mixture
EINECS No.	Mixture
REACH Registration No.	None assigned.
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	
Identified Use(s)	Fire & Moisture resistant building board for exterior and interior applications and further production i.e : doors, substrate for decorative purposes, SIPS, etc...
Uses Advised Against	None known.
<b>1.3 Details of the supplier of the safety data sheet</b>	
Company Identification	Triple Lite Incorporated 2F, No. 78 Fenliao Road Section 1, Linkou District New Taipei City, 24452 Taiwan R.O.C.
Telephone	+886-2 86013869
Fax	+886-2 26018859
E-Mail (competent person)	<a href="mailto:triple.lite@msa.hinet.net">triple.lite@msa.hinet.net</a>
<b>1.4 Emergency telephone number</b>	+886-2 86013869
Languages spoken	Chinese

## 2. SECTION 2: HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	
<b>2.1 Regulation (EC) No. 1272/2008 (CLP)</b>	Not classified as hazardous for supply/use.
<b>2.2 Label elements</b>	
Product Name	According to Regulation (EC) No. 1272/2008 (CLP) TRILITE RMS BOARD
Hazard Pictogram(s)	None assigned
Signal Word(s)	None assigned.
Hazard Statement(s)	None assigned
Precautionary Statement(s)	None assigned
<b>2.3 Other hazards</b>	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

3.1 Substances Not applicable

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

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## 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)** Fire & Moisture resistant building board for exterior and interior applications and further production i.e.: doors, substrate for decorative purposes, SIPS, etc...

## 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 <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	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.
- 8.1.3 **PNECs and DNELs** Not established.

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## 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



Skin 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

Thermal hazards

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 / Off White
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 <sup>3</sup> ± 100
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.
Oxidising properties	Not oxidising.

### 9.2 Other information

None.

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## 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 preparations / mixtures)	
	Acute toxicity	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 ECW 17-06-04
13.2	Additional Information	None.

## 14. SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport.

14.1	UN number	ADR/RID	IMDG	IATA/ICAO
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.

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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.471-34-1), 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.

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### Annex to the extended Safety Data Sheet (eSDS)

Not available.