

Date Prepared : 29-07-2019

MSDS No : GBF - 2450

1- IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY UNDERTAKING

1.1- Product identifier

Product name Bormag Insulated Boards and Panels

1.2- Relevant identified uses of the product SIPS and External Insulated Finish Systems (EIFS)
Ecological External & Internal Roofing, Ceiling, Walls and Flooring, Tile Underlay, Cladding.

1.3- Details of the supplier of the safety data sheet

Company name BORTAS division of Packaging Operations Pty. Ltd.
Address 7 Ingleton Court, Narre Warren, Victoria 3805 AUSTRALIA
Tel +61 3 8790 2102
Mob +61 475 409 065
E-mail info@bortas.com.au

1.4- Emergency telephone numbers

Company info desk +61 3 8790 2102

2- HAZARDS IDENTIFICATION

2.1- Classification of the product:

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

Causes skin irritation, Category 2, H315
Causes serious eye damage, Category 1, H318
May cause an allergic skin reaction, Category 1, H317

2.2- Label elements

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

GHS Pictograms



Signal Word Danger

Hazard Statements

H318 Causes serious eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.

Precautionary Statements

Prevention

P261 Avoid breathing dust/fume/gas/mist.
P264 Wash thoroughly with water after handling of contact.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

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Response

- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER or doctor/physician.
- P321 Specific treatment (see ... on this label).
- P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
- P362 Take off contaminated clothing and wash before reuse.

Disposal P501 Dispose of contents/container to the legislation.

2.3- Other hazards

PBT and vPvB assessment results: No data available.

3- COMPOSITION/INFORMATION ON INGREDIENTS
3.2- Mixture
Hazardous materials:

Material	EC No	CAS No.	Content, %	Classification
Magnesium Magnesium Sulfate	215-171-9 231-298-2	1309-48-4 7487-88-9		Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Dam. 1, H318 STOT SE 3, H335
Lime Perlite	215-137-3 1272/2008	1305-62-0 93763-70-3		Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
Borax	215-540-4	1303-96-4		Eye Irrit. 2, H319 Repr. 1B, H360D
Saw dust	-	-		Skin Irrit. 2, H315 Eye Irrit. 2, H319

Specific Concentration limits:

Material	EC No	CAS No.	Specific Concentration limits
Borax	215-540-4	1303-96-4	Repr. 1B; H360D: C ≥ 8,5 %

Additional info: See Section 16 for the full text of the H statements declared above.

4- FIRST AID MEASURES
4.1- Description of first aid measures
Skin contact:

Wash with plenty of soap and water for at least 15 minutes. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical advice/attention.

Eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Inhalation:

Remove exposed person to fresh air. If breathing is difficult, administer oxygen. Perform artificial respiration if necessary. Obtain immediate medical attention.

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Ingestion: Do not induce vomiting. If victim is conscious, give 2-4 glasses of water or milk. Get medical advice/ attention.

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

Causes serious eye damage. Causes skin irritation. May cause an allergic skin reaction.

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

Treat symptomatically.

5- FIRE FIGHTING MEASURES

5.1- Extinguishing media

Bormag Insulated Boards are non-flammable, non-combustible and non-explosive. Use suitable media for combustibles involved in fire. For small fires, dry chemical dust, CO2 or water spraying is sufficient.

5.2- Special hazards arising from the substance or mixture

Flammable/explosive vapor-air mixture may occur. Avoid breathing the gases, vapors, smoke and decomposition products.

5.3- Advice for firefighters

Firefighters should wear self-contained breathing apparatus (SCBA) and full firefighting turnout gear. Keep containers/storage vessels in fire area cooled with water spray.

6- ACCIDENTAL RELEASE MEASURES

6.1- Personal precautions, protective equipment and emergency procedures

Use respirator with full protective clothing. Provide a good ventilation environment. Avoid contact with eyes, skin and clothing. Wash it thoroughly after use. Wash the skin and eyes with running water for at least 30 minutes. Call a doctor.

6.2- Environmental measures

Avoid release to the environment. Prohibit entry into the area until the cleaning job is completed. Ventilate the area. Do not mix with surface water and sewer.

6.3- Methods and material for containment and cleaning up

Isolate hazarded area. Keep unnecessary and unprotected personnel from entering. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local/national regulations. Collect dry material using a scoop. Pick up mechanically and collect in a suitable container. Avoid formation of dust. Scrape up wet material and place in an appropriate container. Allow the material to "dry" before disposal.

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.

7- HANDLING AND STORAGE

7.1- Precautions for safe handling

While using of chemicals; inhalation, ingestion, eye and skin contact should be avoided. Follow industrial hygiene standards and common rules for this.

It should be used in closed and well-ventilated places. Sufficient ventilation must be provided in order to ensure that the vapor and particulate concentrations in the environment used are below the permissible limits. Open process equipment requires a local ventilation system. They should be resistant to corrosion. There should be an eye shower and shower in the process scene and where it is used.

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7.2- Conditions for safe storage, including any incompatibilities

Store in original containers, in a cool, dry, well-ventilated area. Do not store together with oxidizing agents and dangerous reactants. Keep containers closed and upright, protecting from physical damage. Avoid contact with eyes, skin and clothing. Avoid breathing dust.

7.3- Advice on common storage

Keep away from food, drink and animal feeding stuffs. Store away from incompatible materials and foodstuff containers.

8- EXPOSURE CONTROLS, PERSONAL PROTECTION

8.1- Control parameters

General dust exposure limits; 10 mg/m³ (respirable dust) - 5 mg/m³ (inhalable dust).

8.2- Occupational controls

General protection and hygiene measures:

Keep away from foodstuffs, beverages and animal feed. Immediately remove all contaminated clothing. Wash your hands after work and the work of breaks. Do not eat any food and drink while using this product.

Personal protective equipment:

Respiratory Protection:

Under normal conditions, full face mask respirators should be fitted with gas cartridge (acid gases) where respiratory system protection is required.

Hand Protection:

Use protective **gloves**.

Resistance to punctures, the transmission rate and distortion in the selection of gloves will be sufficient to take into account. In case of contact with the product, wash your hands with plenty of water. After the glove has been used must be destroyed. Selected protective gloves must comply with EN 374 standards.



Glove material:

Butyl rubber and/or PVA gloves.

Eyes Protection:

Use safety goggles or face masks that have been tested and approved in accordance with standards such as EN 166 (EU). Contact lenses should not be worn. where there is a high risk of splashing and vapors in areas where the risk of direct contact use protective eyewear face.



Body protection:

In the case of heavy exposure areas wear full protective clothing resistant to chemicals, fire-resistant and in antistatic property. Use waterproof clothing or a chemical suit in accordance with EN 14605.

8.3- Environmental exposure controls

Conviction in the existing legislative framework for the protection of the environment must be met in full.

9- PHYSICAL AND CHEMICAL PROPERTIES

9.1- Information on basic physical and chemical properties

Appearance	Solid, dust
Colour	White

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Odour	Odourless
pH value, (20°C)	No data available.
Density, g/cm ³ (20°C)	No data available.
Viscosity	Not relevant
Flash Point (°C)	Not relevant
Boiling Point (°C)	Not relevant
Explosive properties	Not explosive
Oxidizing properties	No data available.
Water solubility	Not soluble

9.2- Other information

No data available.

10- STABILITY AND REACTIVITY

10.1- Reactivity

Stable under normal temperature and pressure.

10.2- Chemical stability

Product is chemically stable under standard ambient conditions (room temperature).

10.3- Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4- Conditions to avoid

Avoid contact with humidity.

10.5- Incompatible materials

Keep away from acids, ammonium salts and phosphorous.

10.6- Hazardous decomposition products

There are no known hazardous decomposition products.

11- TOXICOLOGICAL INFORMATION

11.1- Information on toxicological effects

Exposure Routes: inhalation, ingestion, skin and/or eye contact. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are: please refer to health Effects Section for acute effects.

Acute toxicity

No data available.

Skin corrosion/irritation

No data available.

Sensitization

May cause an allergic skin reaction.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory and skin irritation

Causes skin irritation.

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Specific Target Organ Toxicity - Single exposure

No data available.

Specific Target Organ Toxicity - Repeated exposure

No data available.

Aspiration toxicity

No data available.

12- ECOLOGICAL INFORMATION

Since there is no specific information about the product, please handle with good practice not throwing the product around. Never dispose of the product on floors and waterways. Notify the competent authorities if the product has reached waterways or has contaminated soil or vegetation. Take necessary precautions to minimize the effects on the water layer.

12.1- Toxicity

No data available.

12.2- Persistence and degradability

No data available.

12.3- Bio accumulative potential

No data available.

12.4- Mobility in soil

No data available.

12.5- Results of PBT and vPvB assessment

Result of PBT and vPvB assessment: No data available

12.6- Other adverse effects

No data available.

13- DISPOSAL CONSIDERATIONS

13.1- Waste treatment methods

The prevailing regional disposal of waste should be in accordance with national and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

14- TRANSPORT INFORMATION

The product has not been classified as dangerous according to transport regulations (ADR / RID, ADNR, IMDG, ICAO / IATA).

14.1- UN number	Not relevant
14.2- UN proper shipping name	Not relevant
14.3- Transport hazard class(es)	Not relevant
14.4- Packing group	Not relevant
14.5- Environmental hazards	Not relevant
14.6- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable



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15- REGULATORY INFORMATION

15.1- Substance or mixture safety, health and environmental regulations

- Regulation (EC) No 1907/2006, (REACH),
- Regulation (EC) No 1272/2008 (CLP),
- Commission Regulation (EU) No 453/2010 amending Regulation (EC) No 1907/2006,
- Commission Directive 2006/15/EC,
- ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road.

16- OTHER INFORMATION

16.1- Relevant H-phrases (number and full text):

- H315** Causes skin irritation
- H317** May cause an allergic skin reaction
- H318** Causes serious eye damage
- H319** Causes serious eye irritation
- H335** May cause respiratory irritation
- H360D** May damage the unborn child
- H400** Very toxic to aquatic life
- H410** Very toxic to aquatic life with long lasting effects

16.2- Abbreviations:

- ACGIH** American Conference of Industrial Hygienists
- ADR** European Agreement Concerning the Int. Carriage of Dangerous Goods by Road
- CLP** Regulation of Classification, Labelling and Packaging of Chemicals
- DSD** Dangerous Substances Directive
- IARC** International Agency for Research on Cancer
- IATA** International Air Transport Association
- ICAO** International Civil Aviation Organization
- IMDG** International Maritime Code for Dangerous Goods
- NIOSH** National Institute of Occupational Safety and Health
- NTP** National Toxicology Programme
- OSHA** Occupational Safety and Health Administration
- PEL** Permissible Exposure Limit
- RID** International Rule for Transport of Dangerous Substances by Railway
- STEL** Short Term Exposure Limit
- TWA** Time Weighted Average

16.3- Other Information:

Prepared by:
BORTAS division of PACKAGING OPERATIONS PTY LTD
www.bortas.com.au

16.4- Training Advice Against Use:

Product should be used in accordance with the handling and storage conditions described on safety data sheet.

16.5- Additional information:

This document is based on current and best available information. The said information intended only for specified substances and compounds and in case of a mixture of said substances and these compounds with other compounds and substances or use of these compounds and substances in any other process such information may be invalid.

The information in this document does not constitute a guarantee / insurance and/or a legal binding agreement and/or a legal relationship of ownership for properties of the product. This document supplements the technical documentation but does not replace them. The information provided is based on the information present about this product at the time of publication. They are supplied in good faith.

The user's attention should be drawn to the potential risks of using the product on the planned use. The information provided does not release the user to know all the regulations applied during its activity. Taking all necessary measures in the product transport are the sole responsibility of the user. Said mandatory regulations are only intended to help the user to fulfill the requirements of benefits for the use of the product.