# SAFETY DATA SHEET

## 1. Identification

**Product identifier** **Glass Mat Gypsum Board**

**Other means of identification**

**Synonyms** SECUROCK® Glass-Mat Sheathing

**Recommended use of the chemical and restrictions on use**

**Recommended use** Board to be used as ceiling or wall partitions

**Recommended restrictions** Use in accordance with manufacturer's recommendations.

**Manufacturer/Importer/Supplier/Distributor information**

**Distributor / Supplier** Knauf Singapore Pte. Ltd.

**Address** 79 Anson Road #07-01
Singapore 079906

**Telephone** +65 6272 9272

**Email** contact-us.sg@knauf.com

**Emergency telephone number** Singapore General Hospital Drug and Poison Information Center

+65 6423 9119 (24 hours)

## 2. Hazards identification

**Classification of the substance or mixture**

**Physical hazards** Not classified.

**Health hazards** Not classified.

**Environmental hazards** Not classified.

**GHS label elements, including precautionary statements**

**Pictograms** None.

**Signal word** None.

**Hazard statements** None.

**Precautionary statement**

**Prevention** Observe good industrial hygiene practices.

**Response** Get medical attention/advice if you feel unwell.

**Storage** Store as indicated in Section 7.

**Disposal** Dispose of in accordance with local, state, and federal regulations.

**Other hazards which do not result in classification** None known.

**Supplemental information** None.

## 3. Composition/information on ingredients

**Substance or mixture** Mixture

| Chemical name | Common name and synonyms | CAS Number | Concentration (%) |
|---|---|---|---|
| Calcium sulfate dihydrate (alternative CAS 10101-41-4) | | 13397-24-5 | 92 - 96 |
| Continuous filament glass fiber | | 65997-17-3 | 1 - 5 |
| Crystalline silica (Quartz) | | 14808-60-7 | 0.4 - 0.5 |

**Composition comments** All concentrations are in percent by weight.

Respirable crystalline silica measured <0.1% (according to the NEN-EN 17289-3 method).

## 4. First-aid measures

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|---|---|
| **Inhalation** | Dust irritates the respiratory system, and may cause coughing and difficulties in breathing. If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms persist. |
| **Skin contact** | Contact with dust: Rinse area with plenty of water. Get medical attention if irritation develops or persists. |
| **Eye contact** | Dust in the eyes: Do not rub eyes. Flush thoroughly with water. If irritation occurs, get medical assistance. |
| **Ingestion** | Rinse mouth. Get medical attention if symptoms occur. |
| **Most important symptoms/effects, acute and delayed** | Under normal conditions of intended use, this material does not pose a risk to health. Dust may irritate throat and respiratory system and cause coughing. |
| **Indication of immediate medical attention and special treatment needed** | Provide general supportive measures and treat symptomatically. |
| **General information** | Ensure that medical personnel are aware of the material(s) involved. |

## 5. Fire-fighting measures

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|---|---|
| **Extinguishing media** | |
| **Suitable extinguishing media** | Use fire-extinguishing media appropriate for surrounding materials. |
| **Unsuitable extinguishing media** | Not applicable. |
| **Specific hazards arising from the chemical** | Not a fire hazard. |
| **Fire fighting equipment/instructions** | Use standard firefighting procedures and consider the hazards of other involved materials. |
| **Special protective equipment and precautions for firefighters** | Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| **Specific methods** | Cool material exposed to heat with water spray and remove it if no risk is involved. |

## 6. Accidental release measures

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| **Personal precautions, protective equipment and emergency procedures** | For personal protection, see section 8 of the SDS. |
| **Environmental precautions** | Avoid discharge to drains, sewers, and other water systems. |
| **Methods and materials for containment and cleaning up** | No specific clean-up procedure noted. For waste disposal, see Section 13 of the SDS. |

## 7. Handling and storage

| | |
|---|---|
| **Precautions for safe handling** | Use work methods which minimise dust production. Avoid inhalation of dust and contact with skin and eyes. Wear appropriate personal protective equipment. Wash hands after handling. Observe good industrial hygiene practices. When moving board with a forklift or similar equipment, it is essential that the equipment be rated capable of handling the loads. The forks should always be long enough to extend completely through the width of the load. Fork spacing between supports should be one half the length of the panels or base being handled so that a maximum of 4’ extends beyond the supports on either end.<br><br>Follow traditional building practices; such as management of water away from the interior of the structure to avoid the growth of mold, mildew and fungus. Remove any building products suspected of being exposed to sustained moisture and considered conducive to mold growth from the job site. Gypsum panels are very heavy, awkward loads posing the risk of severe back injury. Use proper lifting techniques. |
| **Conditions for safe storage, including any incompatibilities** | Store in a cool, dry, well-ventilated place. Store away from incompatible materials. Protect product from physical damage. Protect from weather and prevent exposure to sustained moisture. Gypsum Association literature (GA-801-07) recommends storing board flat to avoid damaging edges, warping the board and the potential safety hazards of the board falling over. However, in other situations, storing the board flat may cause a tripping hazard or exceed floor limit loads. If stacking board vertically, leave at least 4 inches from the wall to decrease the risk of falling board and no more than 6 inches to avoid too much lateral weight against the wall. |

## 8. Exposure controls/personal protection

**Control parameters**

**Occupational exposure limits**

**Singapore. PELs (Workplace Safety and Health (General Provisions) Regulations 2006 (S 134/2006), First Schedule: Permissible Exposure Limits of Toxic Substances)**

| Components | Type | Value | Form |
|---|---|---|---|
| Calcium sulfate dihydrate (alternative CAS 10101-41-4) (CAS 13397-24-5) | TWA | 10 mg/m3 | |
| Crystalline silica (Quartz) (CAS 14808-60-7) | TWA | 0.1 mg/m3 | Respirable dust. |

**Control parameters/Occupational exposure limits**

**US. ACGIH Threshold Limit Values (TLV)**

| Components | Type | Value | Form |
|---|---|---|---|
| Calcium sulfate dihydrate (alternative CAS 10101-41-4) (CAS 13397-24-5) | TWA | 10 mg/m3 | Inhalable fraction. |
| Crystalline silica (Quartz) (CAS 14808-60-7) | TWA | 0.025 mg/m3 | Respirable fraction. |

**Appropriate engineering control measures** Provide sufficient ventilation for operations causing dust formation. Observe occupational exposure limits and minimise the risk of exposure.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear approved safety goggles.

**Skin protection**

**Hand protection** It is a good industrial hygiene practice to minimise skin contact. For prolonged or repeated skin contact use suitable protective gloves.

**Other** Normal work clothing (long sleeved shirts and long pants) is recommended.

**Respiratory protection** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

**Thermal hazards** None.

**General hygiene considerations** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Observe any medical surveillance requirements.

## 9. Physical and chemical properties

**Appearance** Paper faced with gypsum core.

**Physical state** Solid.

**Form** Panel.

**Colour** Grey to off-white.

**Odour** Low to no odour.

**Odour threshold** Not applicable.

**pH** 6 - 8

**Melting point/freezing point** Not applicable.

**Initial boiling point and boiling range** Not applicable.

**Flash point** Not applicable.

**Evaporation rate** Not applicable.

**Flammability** Not applicable.

**Explosive limit - lower ( %)** Not applicable.

**Explosive limit – upper (%)** Not applicable.

**Vapour pressure** Not applicable.

**Vapour density** Not applicable.

**Density and/or relative density**

**Relative density** 2.32 (Gypsum)

**Solubility(ies)**

**Solubility (water)** Soluble (0.26 g/100 g H2O)

**Partition coefficient (n-octanol/water)** Not applicable.

**Auto-ignition temperature** Not applicable.

**Decomposition temperature** 1454.4 °C (2650 °F) (Core)

**Kinematic viscosity** Not available.

**Particle characteristics**

**Particle size** Varies.

**Other data**

**Bulk density** 800 - 1000 kg/m³

**Viscosity** Not applicable.

**VOC** 0 (solid)

## 10. Stability and reactivity

**Reactivity** The product is stable and non reactive under normal conditions of use, storage and transport.

**Chemical stability** Material is stable under normal conditions.

**Possibility of hazardous reactions** Hazardous polymerisation does not occur.

**Conditions to avoid** Contact with incompatible materials.

**Incompatible materials** Strong oxidising agents. Strong acids.

**Hazardous decomposition products** No hazardous decomposition products are known.

## 11. Toxicological information

**Information on likely routes of exposure**

**Inhalation** Dust may irritate respiratory system. Prolonged inhalation may be harmful.

**Skin contact** Dust or powder may irritate the skin. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

**Eye contact** Dust may irritate the eyes.

**Ingestion** May cause discomfort if swallowed.

**Acute toxicity** Not expected to be acutely toxic.

**Symptoms** Dusts may irritate the respiratory tract, skin and eyes.

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation** Direct contact with eyes may cause temporary irritation.

**Respiratory or skin sensitisation**

**Respiratory sensitisation** Not a respiratory sensitiser.

**Skin sensitisation** This product is not expected to cause skin sensitisation.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Crystalline silica (Quartz) (CAS 14808-60-7) 1 Carcinogenic to humans.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Due to the physical form of the product it is not an aspiration hazard.

| | |
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| **Chronic effects** | Prolonged and repeated overexposure to dust can lead to pneumoconiosis.<br>For detailed information, see section 16. |
| **Mixture versus substance information** | No information available. |
| **Other information** | Pre-existing skin and respiratory conditions including dermatitis, asthma and chronic lung disease might be aggravated by exposure. |

## 12. Ecological information

| | |
|---|---|
| **Toxicity** | The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. |
| **Persistence and degradability** | The product is not readily biodegradable. |
| **Bioaccumulative potential** | No data available for this product. |
| **Mobility in soil** | Expected to have low mobility in soil. |
| **Other adverse effects** | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |

## 13. Disposal considerations

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|---|---|
| **Disposal methods/information** | Dispose in accordance with applicable federal, state, and local regulations. Recycle responsibly. |
| **Special precautions** | Dispose of in accordance with local regulations. |

## 14. Transport information

**ADR**

Not regulated as dangerous goods.

**RID**

Not regulated as dangerous goods.

**ADN**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

| | |
|---|---|
| **Transport in bulk according to IMO instruments** | Not applicable. |

## 15. Regulatory information

**Safety, health and environmental regulations specific for the product in question**

**Prior Informed Consent (PIC) Substances (Environment Protection and Management Act, 2nd Schedule, Part 1, Jul. 1, 2013)**

Not regulated.

**Chemical Weapons Prohibition (Act)**

Not applicable.

**Environmental Protection and Management (Hazardous Substances) Regulations**

Not applicable.

**Environmental Public Health Act**

Not applicable.

**Misuse of Drugs Act**

**Controlled Narcotic Drugs (Misuse of Drugs Act, First Schedule, Part I, II & III, as amended)**

Not regulated.

**Drug Precursors (Misuse of Drugs Act, Third Schedule, Parts I & II, as amended)**

Not regulated.

**Controlled Specified Drugs (Misuse of Drugs Act, Fourth Schedule, as amended)**

Not regulated.

**International regulations**

**Montreal Protocol**

Not listed.

**Stockholm Convention**

Not listed.

**Rotterdam Convention**

Not listed.

**Kyoto Protocol**

Not listed.

**Basel Convention**

Not listed.

## 16. Other information

| | |
|---|---|
| **References** | IARC Monographs. Overall Evaluation of Carcinogenicity |
| **Issued by** | Not available. |
| **Prepared by** | Not available. |
| **Further information** | This product as sold and under normal conditions of intended use, does not present an inhalation, ingestion or skin hazard. However, individual user processes, (such as sanding, abrasive blasting, etc.) may result in the formation of dust and/or particulate that may present a variety of health hazards. |
| **Disclaimer** | KNAUF cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. |
| **Issue date** | 11-June-2024 |
| **Revision date** | 08-October-2025 |
| **Key/legend** | Not applicable. |