

# Material Safety Data Sheet

Date sheet No : MSDS 210725LT188

## Applicant Information

Applicant : Asia Composite Materials(Thailand)Co.,Ltd  
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## Sample information

Sample description :E-glass Chopped Strand Mat  
Article/Model No. :N/A  
No.of sample(s) :N/A

## Service Requirement

Service Requirement : According to 2018/8/1/EC Directive  
Date of Review : JUN. 24,2021  
Date of Issue : JUL. 25,2021

### Remarks:

*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.This data sheet may only be reproduced and distributed in full.*



Approval by: XIANZHEN LIN

Date: 25/07/2021

## 1 Identification of the substance/preparation and of the company/undertaking

### Product details

Trade name: fiber glass

Application of the substance: E-Glass chopped strand mat

Manufacturer/supplier: ASIA COMPOSITE MATERIALS (THAILAND) CO., LTD

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Further information obtainable from: ASIA COMPOSITE MATERIALS (THAILAND) CO., LTD

Information in case of emergency:

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## 2 Composition/information on ingredients

### .Chemical characterization

*The component proportion ratio is not obtained.*

<i>.Components Number:</i>	
<i>SILICON DIOXIDE</i>	<i>CAS: 60676-86-0</i>
<i>ALUMINUM OXIDE</i>	<i>CAS: 1344-28-1</i>
<i>CALCIUM OXIDE</i>	<i>CAS: 1305-78-8</i>

## 3 Hazards identification

*.Information concerning particular hazards for human and environment: Breathing dust from this product may cause a scratchy throat, congestion, and slight coughing. Getting dust or fibers on the skin, or in the eyes may cause itching, rash, or redness. Additional health and safety information is provided in Section 11 of this material safety data sheet.*

**Inhalation:** Primary Route of Entry

*.Inhalation: Fiberglass wool may cause mechanical irritation of the upper respiratory tract. Use of a respirator such as 3M model 9900 or equivalent is recommended. Operations which generate high airborne fiber concentrations (over 10 fibers per cc) require additional respiratory protection.*

*.Skin Contact: Direct contact with the skin may cause mechanical irritation. .*

*.Classification system: Following a thorough review of all the medical data available, the International Agency for Research on Cancer (IARC) has classified glass wool insulation as Group #3, "not classifiable as to carcinogenicity to humans". IARC has stated there is "no evidence of increased risks of lung cancer or of mesothelioma...from occupational exposures during the manufacture of these materials, and inadequate evidence overall of any cancer risk."*

#### **4 First aid measures**

**.After inhalation:**

*Remove to fresh air. Drink water to clear throat, and blow nose to remove dust.*

**.After skin contact:**

*Do not rub. Wash with soap and water. Use skin cream to soothe irritation. Wash clothes separately. A shower after work is recommended. Irritation typically will not persist if good personal hygiene habits are followed.*

**.After eye contact:**

*Do not rub or scratch your eyes. Dust particles may cause the eye to be scratched. Flush with running water for at least 15 minutes. Using sterile eye wash, flush foreign bodies from eyes.*

**.After ingestion:**

*Product is not intended to be ingested or eaten. If this product is ingested, irritation of the gastrointestinal (GI) tract may occur, and should be treated symptomatically. Rinse mouth with water to remove fibers, and drink plenty of water to help reduce the irritation. No chronic effects are expected following ingestion.*

**.Note:**

*If irritation persists in any of these situations, a physician should be consulted.*

#### **5 Fire-fighting measures**

**.Suitable extinguishing agents:**

*Carbon dioxide (CO<sub>2</sub>), water, water fog, dry chemical.*

**.Fire Fighting Procedures:**

*No special procedures are expected to be necessary for this product. Normal fire fighting procedures should be followed to avoid inhalation of smoke and gases.*

**. General Fire Hazards:**

*No potential for spontaneous fire or explosion.*

**. Unusual Fire Hazards:**

*Fiberglass insulation is a non-flammable product. The kraft and foil facing and packaging material will burn, and caution should be used when working close to the facing or packaged material with open flame. Chemicals in vinyl facings or plastic packaging products that do not present a health hazard under normal conditions may be released during a fire. Toxic fumes and gases that may result from incomplete combustion include carbon monoxide, hydrogen chloride and low-level cyanides. In case of overexposure, remove to fresh air. If breathing is difficult, administer oxygen and consult a physician.*



## 6 Accidental release measures

### **. Containment Procedures:**

*Pick up large pieces. Vacuum dusts. If sweeping is necessary, use a dust suppressant such as water. Do not dry sweep dust accumulation or use compressed air for clean-up. These procedures will help to minimize potential exposures.*

### **.Measures for cleaning/collection:**

*Avoid the generation of dusts during clean-up.*

## 7 Handling and storage

### **.Handling Procedures :**

*Use protective equipment as described in Section 8 of this material safety data sheet when handling uncontained material.*

### **.Storage Procedures:**

*Warehouse storage should be in accordance with package directions, if any. Material should be kept dry, and protected from moisture.*

## 8 Exposure controls/personal protection

### **.Exposure Guidelines:**

*ACGIH: 1 f/cc TWA (respirable fibers: length > 5  $\mu$ m, aspect ratio equal to or greater than 3:1, as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase-contrast illumination.)*

### **Personal Protection equipment:**

**. Hand protection:** *Not required under normal use. Use gloves when handling leaking batteries.*

**. Skin and body protection:** *Leather or cotton gloves should be worn to prevent skin contact and irritation. Barrier creams may also be used to reduce skin contact and irritation caused by fiber glass.*

**.Eye protection:** *Safety glasses with sideshields are recommended to keep dust out of the eyes.*

**.Respirator protection:** *A respirator should be used if ventilation is unavailable, or is inadequate for keeping dust and fiber levels below the applicable exposure limits. In those cases, use a NIOSH-certified disposable or reusable particulate respirator with an efficiency rating of N95 or higher (under 42 CFR 84) when working with this product. For exposures up to five times the established exposure limits use a quarter-mask respirator, rated N95 or higher; and for exposures up to ten times the established exposure limits use a half-mask respirator (e.g., MSA's DM-11, Racal's Delta N95, 3M's 8210), rated N95 or higher. Operations such as sawing, blowing, tear out, and spraying may generate airborne fiber concentrations requiring a higher level of respiratory protection. For exposures up to 50 times the established exposure limits use a full-face respirator, rated N99 or higher.*

**. Ventilation:** In fixed manufacturing settings, local exhaust ventilation should be provided at areas of cutting to remove airborne dust and fibers. General dilution ventilation should be provided as necessary to keep airborne dust and fibers below the applicable exposure limits and guidelines. The need for ventilation systems should be evaluated by a professional industrial hygienist, while the design of specific ventilation systems should be conducted by a professional engineer.

**Recommended decontamination facilities:** Wear a cap, a loose-fitting, long-sleeved shirt and long pants to protect skin from irritation. Exposed skin areas should be washed with soap and warm water after handling or working with fiber glass. Clothing should be washed separately from other clothes, and the washer should be rinsed thoroughly (run empty for a complete wash cycle). This will reduce the chances of fiber glass being transferred to other clothing.

## 9 Physical and chemical properties

<b>.General Information</b>	
<b>Form:</b>	Powder
<b>Color:</b>	Yellowy
<b>Odor:</b>	Odorless
<b>.Change in condition</b>	
<b>Melting point/Melting range:</b>	Not available
<b>Boiling point/Boiling range:</b>	Not determined
<b>.Flash point:</b>	Not applicable
<b>.Self-igniting:</b>	Not available
<b>.Danger of explosion:</b>	Not available
<b>.Density:</b>	Not determined
<b>.Relative density:</b>	Not available
<b>.Vapor density:</b>	Not available
<b>.Evaporation rate</b>	Not available
<b>.Solubility in/Miscibility with Water or others:</b>	Insoluble in water
<b>.PH-Value:</b>	Not available
<b>.Viscosity:</b>	
<b>Dynamic:</b>	Not available

## 10 Stability and reactivity

- . Stability:** The product is considered stable.
- . Hazardous Decomposition:** This is an inorganic material and is not expected to release any hazardous substances during decomposition.
- . Hazardous Polymerization:** Will not occur.

## **11 Toxicological information**

*.Please refers to section 3 for hazards identification.*

### **Chronic Toxicity:**

*In October 2001, IARC classified fiber glass wool as Group 3, "not classifiable as to its carcinogenicity to humans." The 2001 decision was based on current human and animal research that shows no association between inhalation exposure to dust from fiber glass wool and the development of respiratory disease. This is a reversal of the IARC finding in 1987 of a Group 2B designation (possibly carcinogenic to humans) based on earlier studies in which animals were injected with large quantities of fiber glass. NTP and ACGIH have not yet reviewed the IARC reclassification or the most current fiber glass health research; at this time, both agencies continue to classify glass wool based on the earlier animal injection studies.*

### **Carcinogenicity:**

*ACGIH: A3 - Confirmed animal carcinogen with unknown relevance to humans*

*NTP: Reasonably Anticipated To Be A Carcinogen (respirable size) (Possible Select Carcinogen)*

*IARC: Group 3 - Not Classifiable (IARC Monograph 43, 1988; Monograph 81, 2002)*

### **Toxicity data:**

*No LD50/LC50's are available for this product's components.*

## **12 Ecological information**

*No data available for this product.*

## **13 Disposal considerations**

### **.Waste Disposal Methods:**

*Dispose of scrap material according to federal, state and local regulations. This material is not regulated under hazardous waste regulations.*

### **.Note:**

*This product, as supplied, is not regulated as a hazardous waste.*

## **14 Transport information**

*This product is not classified as a hazardous material for transport.*

## **15 Regulatory information**

### **.Labeling according to EU guideline:**

*The product has been classified and marked in accordance with EU Directives /Ordinance on Hazardous Materials.*

**.Hazard symbol: Not applicable**



**H-Phrases:** *This product is not classified as hazardous according to European REGULATION (EC) No 1272/2008.*

**H315** Causes skin irritation.

**H319** Causes serious eye irritation.

**H335** May cause respiratory irritation.

*For detailed regulations, please contact the appropriate agency in your country.*

### **16 Other information**

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*Department Issuing MSDS: ASIA COMPOSITE MATERIALS(THAILAND)CO.,LTD*

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