



INDUSTRIES 3R

May 2015

# MATERIAL SAFETY DATA SHEET

## **IDENTITY**

Part Number: **GLASS MAT**  
Identity: Fiber Glass Mat  
Description: Fiber Glass Mat

## **SUPPLIER**

Industries 3R inc.  
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## **COMPOSITION/INFORMATION ON INGREDIENTS**

<b>COMPONENT</b>	<b>%</b>	<b># CAS</b>
Glass	80-100	65997-17-3
		EINECS/ELINCS: 266-046-0

No dangerous components.

Substances of very high concern – SVHC: substances are not contained or are below 0.1%

## **PHYSICAL AND CHEMICAL PROPERTIES**

Form:	solid in different forms
Color:	various
Odor:	odourless
pH-value:	N/A
pH-value (1%):	N/A
Boiling point (°C):	N/A
Flash point (°C):	N/A
Flammability (°C):	N/A
Lower explosion limit:	N/A
Upper explosion limit:	N/A
Oxidizing properties:	no.
Vapour pressure (kPa):	N/A
Density (g/ml):	not determined
Density at (°C):	N/A
Bulk density (kg/m <sup>3</sup> ):	N/A
Solubility in water:	insoluble
Partition coefficient (n-octanol/water):	N/A
Viscosity:	N/A
Relative vapour density determined in air:	N/A
Evaporation speed:	N/A
Melting point (°C):	N/A
Autoignition temperature (°C):	N/A
Decomposition temperature:	N/A

## **FIRE-FIGHTING MEASURES**

**Extinguishing media:** Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.

**Extinguishing media that must not be used:** None.

**Special exposure hazards arising from the substance or preparation itself or combustion products:** Unknown risk of formation of toxic pyrolysis products.

**Special protective equipment for firefighters:** N/A.

**Additional information:** Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

### **STABILITY AND REACTIVITY**

**Reactivity:** No hazardous reactions known.

**Chemical stability:** Stable under normal ambient conditions (ambient temperature).

**Possibility of hazardous reactions:** No hazardous reactions known.

**Condition to avoid:** No information available.

**Incompatible materials:** No information available.

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

### **EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Ingredients with occupational exposure limits to be monitored (GB):** N/A.

**Control parameters:** N/A

**Additional advice on system design:** Ensure adequate ventilation on workstation. To pay attention to dust limit value (ACGHI-2011: 10 mg/m<sup>3</sup> particle inhalable; 3 mg/m<sup>3</sup> particle respirable).

**Respiratory protection:** Breathing apparatus in the event of high concentrations: Short term: filter apparatus, filter P2.

**Hand protection:** The details concerned are recommendation. Please contact the glove supplier for further details. Leather (EN 388).

**Eye protection:** Safety glasses.

**Skin Protection:** Long-sleeved work clothes.

**Other:** Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier. Avoid contact with eyes and skin. Do not inhale dust.

**Thermal hazards:** No info available.

**Delimitation and monitoring of the environmental exposition:** Not determined.

### **DISPOSAL CONSIDERATIONS**

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify in according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

**Product:** Coordinate disposal with the authorities if necessary.

**Waste no. (recommended):** 101103  
101112

**Contaminated packaging:** Uncontaminated packaging may be taken for recycling.

**Waste no. (recommended):** 150101  
150102

### **HAZARDS IDENTIFICATION**

**Classification of the substance or mixture:** N/A

**Classification according to Regulation (EC) No 1272/2008 (CLP):** Not determined.

**Classification according to Regulation 67/548/EEC or 1999/45/EC:** No classification.

**Label elements:** This product does not require a hazard warning level in accordance with EC-directives. This product is an article and therefore it does not require labelling according to EC directives/GefStoffV.

**Other Hazards:** No particular hazards known.

## Emergency Overview

APPEARANCE AND ODOR: White to yellow glass fiber mats in rolls. Mild formaldehyde odor.

### Potential Health Effects

#### Summary

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. Due to the thick diameters of continuous glass filament, the fibers cannot be inhaled into the lower lung. Therefore, the effects of glass filament are limited to irritation of the upper respiratory tract (nose, throat, upper airways).

In high temperature applications, treatment, curing, or in geographic areas of high heat and humidity, this product may release gases irritating to the eyes, nose and throat. In confined or poorly ventilated areas, use air supplied respirators during the first heat-up cycles.

**Inhalation:** Irritation of the upper respiratory tract (scratchy throat), coughing, and congestion may occur in extreme exposures.

**Skin:** Temporary irritation (itching) or redness may occur.

**Ingestion:** This product is not intended to be ingested (eaten). If ingested, it may cause temporary irritation to the gastrointestinal (digestive) tract.

**Eyes:** Temporary irritation (itching) or redness may occur.

**Ears:** Temporary irritation (itching) or redness may occur.

**Primary Routes of Entry (Exposure):** Inhalation (breathing dust, fibers, or vapors), skin, and eye contact.

**Target Organs:** Throat, upper respiratory passages, lungs, skin, and eyes.

**Medical Conditions Aggravated by Exposure:** Pre-existing chronic respiratory, skin, or eye diseases or conditions.

#### FIRST AID MEASURES

**General Information:** Change soaked clothes.

**Inhalation:** Ensure supply of fresh air. In the event of symptoms, seek medical treatment.

**Skin:** When in contact with the skin, clean with soap and water. Consult a doctor if irritation persists.

**Ingestion:** N/A

**Eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Most important symptoms and effects, both acute and delayed:** No information available.

**Indication of any immediate medical attention and special treatment needed:** Treat symptomatically. Forward this sheet to the doctor.

#### ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Avoid dust formation. Use breathing apparatus if exposed to dust.

**Environmental precautions:** N/A.

**Methods for cleaning up:** Take up mechanically. Dispose of absorbed material in accordance with regulations.

#### HANDLING AND STORAGE

**Precautions for safe handling:** No special measures necessary if used correctly. Avoid formation and deposition of dust. Provide vacuuming if dust raised. Dust deposits that cannot be avoided must be taken up regularly. With mechanical processing however fibers can be set free. During mechanical processing vacuuming at processing machines is necessary. No special measures necessary. Wash hands before breaks and after work. Use barrier skin cream. Take off contaminated clothing and wash before reuse.

**Conditions for safe storage, including incompatibilities:** No special measures necessary. Not applicable.

#### TRANSPORT INFORMATION

UN number

UN proper shipping name

Transport by land according to ADR/RID

Inland navigation (AND)

NO DANGEROUS GOODS

NO DANGEROUS GOODS

**Marine transport in accordance with IMDG**      NOT CLASSIFIED AS "DANGEROUS GOODS"  
**Air transport in accordance with IATA**      NOT CLASSIFIED AS "DANGEROUS GOODS"  
**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: N/A**

### **TOXICOLOGICAL INFORMATION**

**Acute oral toxicity:** Not determined  
**Acute dermal toxicity:** Not determined  
**Acute inhalational toxicity:** Not determined  
**Irritant effect on eye:** Not determined  
**Irritant effect on skin:** Not determined  
**Sensitization:** Not determined  
**Subacute toxicity:** Not determined  
**Chronic toxicity:** Not determined  
**Mutagenicity:** Not determined  
**Reproductive toxicity:** Not determined  
**Carcinogenicity:** Not determined  
**Experiences made in practice:** Contains fibers with diameter >6 micrometers. The filament is not breathable (WHO). Fiber abrasion can cause mechanical skin irritation.  
**General remarks:** No classification on the basis of the calculation procedure of the preparation directive.

### **ECOLOGICAL INFORMATION**

**Behaviour in environmental compartments:** N/A  
**Behaviour in sewage plant:** N/A  
**Bacteria toxicity:** N/A  
**Biological degradability:** No information available.  
**Mobility in soil:** No information available  
**Results of PBT and vPvB assessment:** No information available  
**AOX-advice:** N/A  
**Other adverse effects:** This product is insoluble in water. Can be separated out mechanically in purification plants.

### **REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substance or mixture.**  
**EEC-REGULATIONS:** 1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC.  
**TRANSPORT-REGULATIONS:** DOT-Classification, ADR (2013); IMDG-Code (2013, 36, Amdt.); IATA-DGR (2013).  
**NATIONAL REGULATIONS:** EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/ CHIP 4.

### **OTHER INFORMATION**

Observed employment restrictions for people: N/A  
VOC (1999/13/CE): N/A  
Chemical safety assessment: chemical safety assessments for substance in this mixture were not carried out.  
Custom Tariff: Not determined

### **DISCLAIMER**

The information, details, dimensions and values indicated are to our best knowledge. We recommend testing according to local conditions. The specifications are subject to change without notice.