

# SAFETY DATA SHEET

Regulation (EC) No 1907/2006 (REACH), Annex II  
(COMMISSION REGULATION (EU) No 453/2010)

Version 1

Issue Date 24-Mar-2014

**Product Name** Assembled Roving, Direct Roving, Dry Chopped Strands, Wet Chopped Strands, Woven Roving, Powder Chopped Strand Mat, Emulsion Chopped Strand Mat, Glass fiber stitched fabrics, Glass fiber wet-laid mat, Glass Filament Yarn

Revision date 24-Mar-2014

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product Name Assembled Roving, Direct Roving, Dry Chopped Strands, Wet Chopped Strands, Woven Roving, Powder Chopped Strand Mat, Emulsion Chopped Strand Mat, Glass fiber stitched fabrics, Glass fiber wet-laid mat, Glass Filament Yarn

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use For winding glass pipe, tank; suppress auto parts, bathtubs; for hand lay – up fiberglass molding process; reinforced plastics, etc.

Uses advised against No information available

### 1.3. Details of the supplier of the safety data sheet

Supplier Taishan Fiberglass INC.  
Address Economic Development Zone, Taian Shandong, P.R.China  
Postal Code 271000  
Phone +86 -538-6622028  
FAX +86 -538-6622009  
E-mail ctgf@ctgf.com

### 1.4. Emergency telephone number

+86-538-6622028

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified.

**Classification according to Directive 67/548/EEC or 1999/45/EC**

Not classified.

### 2.2. Label elements

Symbols/Pictograms Not applicable.  
Signal word Not applicable.  
Hazard Statements Not applicable.  
Precautionary Statements Not applicable.

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.1 Ingredients of Products:

Product Name	Glass, %	Size, %	Binder, %	Water, %
Assembled Roving	97.70-99.85	0.15 ~2.10	/	0~0.20
Direct Roving	99.00-99.85	0.15 ~0.80	/	0~0.20
Dry Chopped Strands	97.95~99.35	0.65 ~1.95	/	0~0.10
Wet Chopped Strands	86.85-94.00	0 ~ 1.15	/	6.00~12.00
Woven Roving	99.00-99.60	0.40 ~ 0.80	/	0~0.20
Powder Chopped Strand Mat	92.20-97.40	0.30~ 0.60	2.30-7.00	0~0.20
Emulsion Chopped Strand Mat	91.20-96.70	0.30~ 0.60	3.00-8.00	0~0.20
Glass fiber stitched fabrics	96.80~99.60	0.40 ~3.00	/	0~0.20
Glass fiber wet-laid mat	89.50~96.00	4.00~10.00	/	0 ~0.50
Glass Filament Yarn	98.60~99.20	0.70~1.80	/	0~0.20

Fiber glass: 659997-17-3

Size: Not available.

#### Size:

Size is a mixture of chemicals applied to the glass strands. Most of this mixture is made up of basically non-reactive high molecular weight polymers, often natural ingredients(starches) with no reactive sites, which are not listed as substances in the EINECS nor in the ELINCS appendices.

Sometimes size maybe also contain substances of organo-silane family or other substances. The manufacturer considers this risk as negligible as, even though listed as dangerous products, the concentration is extremely low(under 0.1% of total weight) and they are polymerised during the production of glass fibers production.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Inhalation

IF INHALED: 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

If irritation occurs to the skin, rinse with soap and water. Make sure to refrain from rinsing with warm water since warm water will make the skin pores open to allow fiberglass to penetrate more deeply. If fiberglass penetrates the skin, use a wash cloth to help pull out the fiberglass. To avoid further irritation, do not rub or scratch affected skin. If irritation persists, get medical help. Make sure to refrain from using compressed air to remove fiberglass from the skin.

#### Eye contact

Immediately flush eyes with clean water for at least 15 minutes. If irritation persists, get medical help.

#### Ingestion

Normally, ingestion of this material is unlikely. If it does occur, watch the person for several days to make sure that gastrointestinal disturbance does not occur. Do not let the person vomit unless required by medical personnel. If disturbance persists, get medical help.

### 4.2. Most important symptoms and effects, both acute and delayed

Ingestion: Ingestion of the material is unlikely. However, ingestion of the material may cause gastrointestinal disturbance.

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Inhalation: Breathing fiberglass dusts and particulates may cause irritation of the nose, throat and respiratory tract.

Skin contact: Fiberglass dusts and particulates may cause temporary irritation.

Eye contact: Fiberglass dusts and particulates may cause temporary irritation to the eyes.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Non-flammable. But the packing material may burning. Use dry chemical, foam, carbon dioxide and water as extinguishing media.

##### **Unsuitable extinguishing media**

No information available

#### **5.2. Special hazards arising from the substance or mixture**

Primary combustion products are carbon monoxide, hydrogen, carbon dioxide and water. Other undetermined compounds can be released in small quantities.

#### **5.3. Advice for firefighters**

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

### **SECTION 6: Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Avoid dust generation.

Avoid breath dust.

#### **6.2. Environmental precautions**

Prevent entry into waterways, sewers, basements or confined areas.

#### **6.3. Methods and material for containment and cleaning up**

Scooped up and put into a container for disposal.

#### **6.4. Reference to other sections**

See Section 7 for more information

See section 8 for more information

See section 13 for more information

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

Try to prevent the packing material from be damaged and keep the product inside the packing material to minimize the generation of dusts. Maintain a clean work environment and avoid generation of fiberglass

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fragments from improper handling.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep product in its packaging until use to minimize potential dust generation.

### 7.3. Specific end use(s)

Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Component: Fiber glass CAS#659997-17-3	Permissible Exposure Limit of OSHA (8-hr Average Weight)	Permissible Exposure Limit of ACGIH (8 hr Average Weight)
Total Dust	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Respirable particulates	5 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>
Respirable Fibre	/	1 fibre/ml

#### Derived No Effect Level (DNEL)

No information available.

#### Predicted No Effect Concentration (PNEC)

No information available.

### 8.2. Exposure controls

#### Engineering Controls

Production areas are closed off and a required relative humidity is maintained.

#### Personal protective equipment

Eye/face protection	Wear safety glasses and face shield.
Hand Protection	Wear gloves. Skin irritation occurs primarily at the contact areas such as wrists and between the fingers.
Skin and body protection	Normal loose working clothing (long-sleeved shirts and long pants) is recommended. Skin irritation occurs primarily at the contact areas such as around the neck and waist.
Respiratory protection	Wear a suitable mask when working in an environment where dust concentration is high.

#### Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	Solid
Color	white or off-white
Odor	Odorless

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<b>Odor Threshold</b>	No information available
<b>pH</b>	Not applicable.
<b>Melting point/freezing point</b>	> 800 °C
<b>Boiling point / boiling range</b>	Not applicable.
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Non flammable.
<b>Upper flammability limit:</b>	Not applicable.
<b>Lower flammability limit:</b>	Not applicable.
<b>Vapor Pressure</b>	Not applicable.
<b>Vapor density</b>	No information available
<b>Density</b>	No information available
<b>Relative density</b>	2.6 Times that of water.
<b>Bulk density</b>	No information available
<b>Specific gravity</b>	No information available
<b>Water solubility</b>	Insoluble
<b>Partition coefficient</b>	Not applicable.
<b>Autoignition temperature</b>	Not applicable.
<b>Decomposition temperature</b>	No information available
<b>Kinematic viscosity</b>	Not applicable.
<b>Explosive properties</b>	Not an explosive
<b>Oxidizing properties</b>	Not applicable

#### 9.2. Other information

No information available

## 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 under normal processing.

### 10.4. Conditions to avoid

None.

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

None under normal use conditions.

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## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

#### **Acute toxicity**

No information available.

#### **Skin corrosion/irritation**

Fiberglass dusts may cause irritation to skin.

#### **Serious eye damage/eye irritation**

Fiberglass dusts may cause irritation to eye.

#### **Sensitization**

No sensitization responses were observed.

#### **Germ cell mutagenicity**

No information available.

#### **Carcinogenicity**

Fiberglass is a non-carcinogenic material.

#### **Reproductive toxicity**

No information available.

#### **STOT - single exposure**

No information available.

#### **STOT - repeated exposure**

No information available.

#### **Aspiration hazard**

No information available.

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

No information available.

### **12.2. Persistence and degradability**

No information available.

### **12.3. Bioaccumulative potential**

No information available.

### **12.4. Mobility in soil**

No information available.

#### 12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment information is not available as chemical safety assessment not conducted.

#### 12.6. Other adverse effects

No information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste from residues/unused products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Empty containers should be taken for local recycling, recovery or waste disposal.

### SECTION 14: Transport information

14.1 UN Number Not regulated

14.2 Proper shipping name Not regulated

14.3 Hazard Class Not regulated

14.4 Packing Group Not regulated

14.5 Environmental hazards Not applicable

14.6 Special precautions Rolling and moisture should be avoided in transit.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Take note of Directive 94/33/EC on the protection of young people at work

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

#### International Inventories

Component	TSCA	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
CAS NO.:	Listed	Listed	Listed	Listed	Listed	Listed	Listed	Listed

65997-17-3

## 15.2. Chemical safety assessment

No information available

## SECTION 16: Other information

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

<b>Issue Date</b>	24-Mar-2014
<b>Revision date</b>	Not applicable
<b>Revision Note</b>	Not applicable

### Key or legend to abbreviations and acronyms used in the safety data sheet

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

### Full text of H-Statements referred to under section 3

Not applicable.

### Full text of R-phrases referred to under sections 2 and 3

Not applicable.

### Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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