

According to directive 1907/2006/EC,2020/878

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Trade name: Glass Fiber Non-Crimp Stitched Fabrics – Tissue Roving D5

European Regulation (ER) - REACH - N° 1907/2006 on chemical products enforced on June 1, 2007 only requires a safety data sheet (SDS) for hazardous substances and dangerous preparations. These continuous glass fibre filament products (CGVF) are articles under REACH and therefore SDS is not applicable.

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

### 1.1 Product identification:

Product name: Glass Fiber Non-Crimp Stitched Fabrics – Tissue Roving D5.

Chemical Name: Fiber Glass

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

Usage: Industrial use.

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

Responsible distributor : ASSYST sprl / A.S.O.W. sprl  
Hellegatstraat 13a  
2590 Berlaar  
Belgium  
Tel: +32 495 50 61 14 / +32 496 83 70 27  
Website: [www.assyst.org](http://www.assyst.org) / [www.artsuppliesonweb.com](http://www.artsuppliesonweb.com)  
Email: [ao@assyst.org](mailto:ao@assyst.org) / [vera.opsommer@assyst.org](mailto:vera.opsommer@assyst.org)

### 1.4 Emergency phone number:

For Belgium:

Call the **Poison Control Centre (070 245 245 - free)**, if not available: **02 264 96 30** (normal rate) or your doctor. In life-threatening situations, always call the European emergency number **112**.

NHS 24 Direct

For help from a GP, visit your GP surgery's website, use an online service to contact your GP, or call the surgery. **For urgent medical help**, use the NHS 111 online service, or **call 111** if you are unable to get help online. **For life-threatening emergencies, call 999** for an ambulance. There is more information about getting medical help on the NHS website.

## **SECTION 2: Identification of hazards**

### 2.1 Classification of the substance or mixture:

#### **Classification according to directive (EC) No 1272/2008 and its amendments.**

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 11 for more detailed information on health effects and symptoms.

Product definition: Article .

### 2.2 Labelling elements:

#### **Labelling according to regulation (EC) No 1272/2008 [CLP/GHS]: .**

Not a hazardous substance or mixture.

### 2.3 Other hazards:

#### **Other information:**

Although manufactured continuous glass fibres cannot be inhaled, it can cause temporary itching of the skin and mucous membranes due to the mechanical abrasive effect of fibres.

Under normal conditions of use, dust and non-respirable fibres (not otherwise regulated particles) may be released from these products.

Under heavy use conditions (e.g. shredding, crushing), a very small amount of respirable particles may be released from these products, some of which are fibrous in terms of l/d ratio (so-called "shards").

See chapter 8 for Exposure limits.

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## **SECTION 3: Composition and information on ingredients**

### **3.2 Mixing:**

Continuous filament glass fibre is a glass product which is given a specific shape (filament) and dimension (filament diameter). A surface treatment (sizing) is applied to the filament which are gathered to form a strand. The sizing is a mixture of chemicals, i.e. film former, coupling agent and polymeric resin/emulsion. The sizing content is usually less than or equal to 2%. Non crimp fabrics made with glass fibres are stitched with synthetic yarns.

Ingredient name	CAS Number:	%
Glass, oxide, chemicals	65997-17-3	>95
Organic Surface Binder/Sizing	Not available	<5

## **SECTION 4: First aid measures**

### **4.1 Description of first-aid measures:**

#### **Eye contact**

DO NOT rub or scratch eyes.

Rinse immediately with plenty of water.

After initial rinsing, remove any contact lenses and continue rinsing for at least 15 minutes.

In case of persistent eye irritation: consult a doctor.

#### **Skin contact**

Immediately wash off with soap and plenty of cold water.

DO NOT use hot water as this opens the pores of the skin allowing more fibres and dust to enter.

Do NOT rub or scratch the affected one.

Use a flannel to remove fibres and dust.

If visible fibres stick out of the skin, they can be removed using adhesive tape, the fibres sticking to the tape can be pulled out of the skin.

Consult a doctor if skin irritation persists.

#### **Inhalation**

Get victim into fresh air.

Consult a doctor if symptoms persist.

#### **Ingestion**

Rinse mouth with water and drink water to remove fibres from throat.

Consult a doctor if symptoms persist.

### **4.2 Main acute and delayed symptoms and effects:**

The main known symptoms and effects are described on the label (see section 2.3) and/or section 1.1.

### **4.3 Indication of immediate medical attention and special treatment required:**

No data available.

#### **Additional information:**

Mild hydrocortisone skin cream is helpful for skin irritation.

## **SECTION 5: Fire-fighting measures**

### **Flammable properties**

Continuous glass fibre products are non-flammable, non-combustible and do not tolerate combustion.

Only the organic part is flammable and can release small amounts of unspecified hazardous substances in case of very large or prolonged heat or fire.

### **5.1 Extinguishing media:**

#### **Suitable extinguishing agents:**

Water, carbon dioxide (CO<sub>2</sub>), foam, dry chemical.

Extinguishing media for B class fire may be used.

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

In case of big fires self-contained breathing apparatus must be used and full protective clothing must be worn.

### **5.3 Advice for firefighters:**

Use self-contained breathing apparatus (SCBA) and fire protective clothing.

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## 5.4 Further information

Only the packaging film, polyester yarn and glass sizing material are likely burn.

Combustion gases are basically carbon dioxide and water vapor.

Formation of toxic gases is possible during heating or in case of fire.

There may be small quantities of carbon monoxide and other substances which make it necessary to use protective devices in the event of a major fire.

Fiberglass will not burn, but smoking of the product may occur at approximately 400 - 500°F (approximately 200 - 260°C) due to decomposition of the surface binder.

Surface binders may decompose in a fire situation and release carbon monoxide, carbon dioxide and water.

Additionally, there are many chemicals that can evolve during any partial decomposition of chemical products.

The amounts or identities cannot be predicted and can differ in each situation.

## **SECTION 6: Measures in case of accidental release of the substance or mixture**

### 6.1 Personal precautions, protective equipment and emergency procedures:

Provide eyewash stations.

Under normal industrial conditions, this product is not flammable and has stability.

See chapter 8.

### 6.2 Environmental precautions:

No special environmental spill precautions required.

### 6.3 Methods and materials for containment and cleaning:

Avoid dry-wiping the area.

Avoid dust generation.

Mechanically pick up and place in suitable containers for disposal.

Pick up and transfer to correctly labelled containers.

Use an industrial Hoover with a high-efficiency filter to clean dust and fibre contamination.

After cleaning, rinse away residues with water.

### 6.4 Reference to other sections:

For waste disposal, see section 13.

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

### 7.1 Precautions for safe handling of the substance or mixture:

adequate ventilation.

Prevent and/or minimize dust formation.

Keep away heating sources.

Wear appropriate personal protective equipment in case of direct contact with the product.

Vacuum clean, sweep or shovel carefully in order to prevent dust suspension.

### 7.2 Conditions for safe storage, including incompatibilities:

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

Store in original package in a cool, dry place.

Packing material must be prevented to damage during transporting and carrying.

### 7.3 Specific end use:

See chapter 1.2.

## **SECTION 8: Exposure controls/personal protection measures**

### 8.1 Control parameters:

#### **Exposure guidelines**

Continuous filament glass fibers are not respirable however certain mechanical processes might generate airborne dust or fiber (See section 11).

#### **Occupational Exposure Limits (OEL)**

##### Fiber Glass Continuous Filament (65997-17-3)

The American Conference of Governmental Hygienists has adopted a Threshold Limit Value (TLV) for fibrous dust of 15mg/m<sup>3</sup> (total) and 5mg/m<sup>3</sup> (respirable).

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The Occupational Safety and Health Administration (OSHA) does not prescribe a Permissible Exposure Limit (PEL) for fibrous glass but relies on the PEL-TWA's for nuisance dust of 15mg/m<sup>3</sup> (total) and 5mg/m<sup>3</sup> (respirable).

Respirable fraction: 1 fiber/cc (related to respirable particulate with fiber-like dimensions (glass shards)

#### 8.2 Exposure control measures:

##### **Technical measures**

Provide local exhaust and/or general ventilation to keep exposure below regulatory and recommended limits. Local ventilation should be provided in areas where cutting, milling or other similar operations are carried out to remove airborne dust and fibres.

##### **Personal protective equipment**

###### **Respiratory protection:**

If exposure limits are exceeded, appropriate respiratory protection must be worn (e.g.: FFP2 or N95 or KN95) to be chosen according to the actual exposure level in air and in accordance with applicable local regulations.

###### **Eye/face protection:**

Wear safety glasses with side shields (or dust goggles).

###### **Skin and body protection:**

Skin irritation is known to occur chiefly at the pressure points such as around the neck, wrists, and waist and between the fingers.

Long-sleeved garments and long leggings are recommended to prevent irritation

Wear protective gloves (nitrile rubber, butyl rubber, PVC, Viton®).

###### **Hygiene measures:**

Wash hands before breaks and immediately after handling the product.

Avoid contact with skin, eyes and clothing.

Avoid getting dust into boots and gloves through wrist bands and pant tucks.

Remove and wash contaminated clothing before re-use.

## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties:**

Physical state:	solid
Appearance:	Mat of glass fibre or polyester fibre with a wire cross-section of more than 6 microns
Odour:	Odourless
Colour:	white or off-white
Softening point:	> 800°C ; > 1500°F (glass)
Self-ignition temperature:	No data available
Decomposition temperature:	No data available
Density:	2.6 glass (water = 1)
Solubility:	insoluble
Explosive properties:	No explosive

### **9.2 Other information**

Friction may cause static electricity.

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity:**

High humidity and heat can affect product properties.

### **10.2 Chemical Stability:**

Stable under recommended storage conditions.

### **10.3 Potential Hazardous Reactions:**

Reacts with strong oxidizing agents, alkali, amines and acids.

### **10.4 Conditions to avoid:**

High humidity and heat can affect product properties.

### **10.5 Chemically interacting Materials:**

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Reacts with strong oxidizing agents, alkali, amines and acids.

#### 10.6 Hazardous Decomposition Products:

Long time high heat exposure can damage surface coating of product. CO and NOx gasses can be released.

### **SECTION 11: Toxicological information**

#### 11.1 Information on toxicological effects:

##### **Product information:**

##### Glass fibers Short term effects:

Dusts and fibers may cause mechanical irritation to eyes and skin.

The irritation disappears when the exposure ceases.

Mechanical irritation is not considered as a health hazard in the meaning of Regulation (EC) No 1272/2008 on hazardous substance.

Continuous filament glass fibers do not require a classification as an irritant (Xi) under the Regulation (EC) No 1272/2008.

Inhalation may cause coughing, nose and throat irritation and sneezing.

High exposures may cause difficult breathing, congestion and chest tightness.

##### Glass fibers Long term effects:

There are no known health effects from the long term use or contact with non-respirable continuous filament fibers.

Non-respirable fibers cannot reach the deep lung because they have a diameter of greater than 3.5 micrometers.

Fibers of this diameter cannot penetrate the narrow, bending passages of the human respiratory tract to reach the lower regions of the lung and thus, have no possibility of causing serious pulmonary damage.

Instead, they deposit on the surfaces of the upper respiratory tract, nose, or pharynx.

These fibers are then cleared through normal physiological mechanisms.

##### Powder effects:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

### **SECTION 12: Ecological information**

This product is not expected to be hazardous to the environment.

#### 12.1 Toxicity:

No data available.

#### 12.2 Persistence and Degradability:

No data available.

#### 12.3 Bioaccumulation:

No data available.

#### 12.4 Mobility in soil:

No data available.

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

No data available.

#### 12.6 Endocrine disrupting properties

No data available.

#### 12.7 Other Harmful Effects:

No data available.

### **SECTION 13: Disposal instructions**

#### 13.1 Waste treatment methods:

This product can be considered as immobile solid waste and disposed as solid waste.

Glass fiber must be destroyed depending on local regulations.

The generation of waste should be avoided or minimised wherever possible.

Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

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Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. If glass fiber involves any resin to form a composite structure (cured or half cured), disposing of this material must do considering disposal consideration of the resin. Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

## **SECTION 14: Information relating to transport**

### 14.1 UN number

Not regulated as a hazardous substance.

### 14.2 Proper cargo name according to UN model regulations

Not regulated as a hazardous substance.

### 14.3 Transport hazard class(es)

Not regulated as a hazardous substance.

### 14.4 Packing group

Not regulated as a hazardous substance.

### 14.5 Environmental hazards

Not regulated as a hazardous substance.

### 14.6 Special precautions for the user

Notes:

The transport of dangerous goods, including loading and unloading, must be carried out in accordance with regulations by personnel who have received the necessary training;

### 14.7 Transport in bulk in accordance with Annex II to MARPOL 73/78 and the IBC Code

Notes: Not applicable for product as supplied.

## **SECTION 15: Statutory information**

### 15.1 Safety, health and environmental regulations and legislation specific to the substance or mixture:

This product is not hazardous according to Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830 - United Kingdom (UK).

Annex XIV - List of substances subject to authorisation No SVHC's normally expected above 0.1% w/w.

The international Agency for Research on Cancer (IARC) in June, 1987 and in October, 2001, categorized continuous filament fiber glass as not classifiable with respect to human carcinogenicity (Group 3).

The evidence from human, as well as, animal studies was evaluated by IARC as insufficient to classify continuous filament fiber glass as a confirmed, probable or even possible cancer causing material.

### 15.2 Chemical safety assessment:

No chemical safety assessment has been carried out for this product.

## **SECTION 16: Other information**

### **Full text of other abbreviations**

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road (ADR Agreement); AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Association for the Testing of Materials; bw - Body Weight; CLP - Regulation on Classification, Labelling and Packaging; Regulation (EC) No 1272/2008; CMR - Carcinogenic, mutagenic or toxic to reproduction; DIN - Standard of the German Institute for Standardisation; DSL - List of substances used indoors (Canada); ECHA - European Chemicals Agency; EC-Number - EINECS number; ECx - Concentration associated with x% response; ELx - Charge capacity associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemicals (Japan); ErCx - Concentration associated with x% growth response; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - IMO International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk; IC50 - Half-Maximum Inhibitory Concentration; ICAO - International Civil Aviation Organisation; IECSC - Inventory List of Existing Chemicals in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korean

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Inventory of Existing Chemicals; LC50 - Lethal concentration for 50% of a test population; LD50 - Lethal dose for 50% of a test population (lethal dose median); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not otherwise specified; NO(A)EC - No discernible (negative) effect on concentration; NO(A)EL - No discernible (negative) effect on Level; NOELR - No discernible effect on cargo capacity; NZIoC - New Zealand inventory of chemicals; OECD - Organisation for Economic Co-operation and Development OECD; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, bioaccumulative and toxic substance; PICCS - Philippine inventory of chemicals and chemical substances; (Q)SAR - (Quantitative) structure-activity relationships; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH); RID - Regulations concerning the International Carriage of Dangerous Goods by Rail (RID); SADT - Self-accelerating decomposition temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwanese Inventory of Chemical Substances; TECL - Inventory of Chemical Substances Existing in Thailand; TRGS - Technical Regulation on Hazardous Substances; TSCA - Toxic Substances Control Act (USA); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

## Further information

### Training advice:

Provide proper information, instruction and training for users.

The data provided in this safety data sheet are correct to the best of our knowledge at the date of issue indicated and should not be regarded as a guarantee or indication of quality.