



# **SKAPS INDUSTRIES**

## **SKAPS FIBERGLASS** **MATERIAL SAFETY DATASHEET**



## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product:

Fiber glass fabric made from continuous filaments of glass.

### Manufacturer:

SKAPS INDUSTRIES (I) PVT. LTD. (SEZ DIV.),  
Plot No. 10, Road No 12F, Sector 12S,  
Mundra Integrated Textile & Apparel Park (MITAP),  
Mundra SEZ, Mundra, Gujarat – 370421, India.

### Emergency Contact:

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## 2. COMPOSITION / INGREDIENTS

Component	CAS No.	Weight %
Fiber Glass (non-respirable) *	65997-17-3	94 – 98
Texturized Polyester Yarn	N.A.	1 – 5

\*As manufactured continuous filament glass fibers are not respirable. Continuous filament glass products that are chopped, crushed, or severely mechanically processed during manufacturing or use may contain a very small amount of respirable particulate and some of which may be shards.

Note: The remaining components of the above product are non-hazardous or are in a small enough quantity as to not meet regulatory threshold for disclosure.



### 3. HAZARDOUS IDENTIFICATION

The fiber glass fabric is non-toxic. It contains a size as well as polyester based sewing thread. At temperatures above 150°C the thermal decompose of the sizing begins, from approx. 350°C the sewing thread starts to decompose. During these processes, none of the dangerous decomposition occur.

#### General Guidelines:

- **Inhalation:** Fiber Glass continuous filament is a mechanical irritant. Breathing dusts and fibers may cause short term irritation of the mouth, nose and throat. This product is not absorbed by the lung.
- **Skin Contact:** Skin contact with dust and fibers can cause itching and temporary skin irritations.
- **Eye Contact:** Eye contact with dust and fibers can cause itching and temporary irritations.
- **Swallowing:** Swallowing of dust and fibers can cause temporary mechanical irritations of the intestines.
- **Chronic (Long Term):** There is no known health effects connected with long term use or contact with this product.
- **Medical Conditions Aggravated by Exposure:** Long term breathing or skin conditions that are aggravated by mechanical irritants may be at a higher risk for worsening from use or contact with this product.

### 4. FIRST-AID MEASURES

- **Inhalation:** By long-term exposure to fiber dust or flying particles, one should move to fresh air and seek medical attention if irritation persists.
- **Eye Contact:** In case of eye irritation these should be flushed with running water. Seek medical attention if irritation persists.
- **Skin Contact:** Wash with mild soap and running water. Use a washcloth to help remove fibers. To avoid more irritation, do not rub or scratch affected areas. Rubbing or scratching may force fibers into skin. Seek medical attention if irritation persists.
- **Swallowing:** Consult a doctor.



## 5. FIRE FIGHTING MEASURES

<b>Flashpoint</b>	Non-burning
<b>Flammability Limits</b>	Not applicable
<b>Extinguishing Media</b>	Dry chemical
	Foam
	Carbon dioxide (CO <sub>2</sub> )
	Water
<b>Fire Fighting Instructions</b>	Use self-contained breathing apparatus (SCBA) in a sustained fire
<b>Unusual Fire and Explosion Hazards</b>	None known
<b>Special Exposure Hazards from Fire</b>	Hazardous decomposition products of combustion from sizing and binders may be released in a sustained fire. The larger part of the product is nonflammable E-glass.

## 6. ACCIDENTAL RELEASE MEASURES

Steps to be taken upon release or spill: Mechanical sweeping methods

## 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid dust formation.
	Do not breathe dust.
	Wear personal protective equipment.
	Use hand trolley or stacker or fork lift for lifting pallets.
	Rough handling like dragging the rolls, using sharp tools to remove packaging deteriorates the properties of the fabric.
<b>Storage</b>	Flying fibers and dust particles must be avoided by sufficient vacuuming and ventilating. No special storage or handling procedures are required for this material.
	Storage should be away from heat & moisture and in their original packing.
	Best conditions are temperature between -7°C and 38°C; Humidity ≤ 80%. Recommended to bring the material into workshop at least 24 hours prior to use.
<b>Hygiene Practices</b>	Wash hands before and immediately after handling the product. Remove and wash contaminated clothing before re-use.



## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION – EXPOSURE GUIDELINES

- General Protection and Hygienic Measures: General dilution ventilation and/or local exhaust ventilation should be provided as necessary to maintain exposures below regulatory limits.
- Respiratory Protection: If high dust levels are encountered, a properly fitted approved respirator or industrial mask is recommended.
- Eye Protection: Wear safety glasses with side shields.
- Skin Protection: Protective gloves can reduce irritation to the skin.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Fiber glass fabric
Color	White / Yellow-White
Odor	No Odor
Physical	Solid State
<b>Change of Shape</b>	<b>Value/Area, Unit, Method:</b>
Boiling/Freezing Points	Not Applicable
Melting Point (softening)	> 800°C
Flash Point	Not Applicable
Flammability	Not Applicable
Decomposition Temperature	Not Applicable
Self-Inflammation	Not Applicable
Explosion Limits	Not Applicable
Vapor Pressure	Not Applicable
Density	2.6 – 2.7 g/cm <sup>2</sup>
Oxidation Risk	Not Applicable
Solubility in Water	Insoluble

## 10. STABILITY AND REACTIVITY

**Hazardous Decomposition Products:** Sizing or binders may decompose in a fire.



## 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity</b>	
Product Information	Dusts may cause mechanical irritation to eyes and skin. Ingestion may cause transient irritation of throat, stomach and gastrointestinal tract. Inhalation may cause coughing, nose and throat irritation and sneezing. High exposures may cause difficulty in breathing, congestion and chest tightness.
<b>Chronic Toxicity Component Information</b>	
Glass Fiber – Continuous Filament, non-respirable 65997-17-3	The international Agency for research on cancer (IARC) in June, 1987 and in October, 2001 categorized fiber glass continuous filament 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 fiber glass continuous filament as a confirmed, probable or even possible cancer-causing material. The TLV-TWA of 5 mg/m <sup>3</sup> was adopted for non-respirable glass filament fiber, measured as inhalable dust, to prevent mechanical irritation of the upper respiratory tract.
Carcinogenicity	There are no known carcinogenic chemicals in this product.
ACGIH (American Conference of Government Industrial Hygienists):	A4 – Not classifiable as a Human Carcinogen.
IARC (International Agency for Research on Cancer):	Group 3 – Not classifiable as to its carcinogenicity to Humans.
Irritation	Not Available
Corrosivity	Not Available
Allergy	Not Available
Neurological Effects	Not Available
Mutagenic Effects	Not Available
Reproductive Effects	Not Available
Target Organ Effects	Not Available

Component	OSHA-PEL	AGGIH_TL	NTP	OSHA
Glass Fiber – continuous filament, non-respirable (65997-17-3)	Group 3	A4		



## 12. ECOLOGICAL INFORMATION

Eco toxicity Effects	This material is not expected to cause harm to animals, plants or fish
Chemical Fate	Not Available
Bioaccumulation / Accumulation	Not Available

## 13. DISPOSAL CONSIDERATIONS

### Applies to Product:

Waste Disposal	Dispose of in accordance with Local, State, Federal and Provincial regulations.
Contaminated Packing	Empty containers should be taken for local recycling, recovery or waste disposal.

## 14. TRANSPORT INFORMATION

**Transport/Further Details:** Considered as non-hazardous in the sense of national and international transport regulations

## 15. REGULATORY

Fiber-glass fabrics in Europe are subject to Regulations of the European Community and are considered as additives, when being used as reinforcement of plastics that are in direct or indirect contact to food. As such they are listed in: Annex III of Directive 96/11/EC/amendment of Directive 90/128/EEC under the PM-Reference-Nr. 55520 without naming restrictions in the belonging table.

## 16. OTHER INFORMATION

The information contained in this safety data sheet is correct to the best of our knowledge. However, it does not assure the product quality and does not justify a contractual legal position.

**END OF SECTION**