

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name	Fibre Glass, Continuous Filament
Product Code	01014
Use of the Substance/Preparation	Industrial use
Supplier	Liquid Rubber Sales Prees Green Nr. Whitchurch Shropshire SY13 2BN
Telephone	01948 841 877
Fax	01948 841 854

2. HAZARDS IDENTIFICATION

Most Important Hazards	May cause eye or skin irritation with susceptible persons. May cause irritation of respiratory tract.
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Nature of the Preparation	Glass fibre with binder
Synonyms	Chopped strands: ChopVantage®, ChopVantage® HP, MaxiChop™, DeltaChop®, Wet Chopped Strand Coated Yarn: Hercuflex® Strand HF, Hercuflex® Strand HFO Direct Draw: Hybon®, TufRov™, Innofiber® NTY Yarn: Fiberglass Yarn, Hybon® RCY, L.E.X.® Yarn, TEXO® Yarn, Innofiber® DCS Mat: Chopped Strands Mat, PPG Mat, AZDEL Mat, MatVantage® II, TEXO® HTM Roving: Continuous Roving, Hybon® Roving for Spray-Up, Hybon® Woven Roving, Roving for Spray-Up, TufRov™, Woven Roving, String Binder Roving for Preform

Components	Weight %
Glass fibre (E-Glass continuous filament)	>95%
Organic surface binder/sizing	<2%
Some Fibreglass products contain Textured Polyester Filament Yarn	<6%

4. FIRST AID MEASURES

General Advice	Immediate medical attention is not required.
Inhalation	Move to fresh air. If symptoms persist, call a physician.
Skin Contact	Wash off with plenty of water. Use a mild soap if available. If skin irritation persists, call a physician.
Eye Contact	Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least

	15 minutes. If eye irritation persists, consult a specialist.
Ingestion	Gently wipe or rinse the inside of the mouth with water. Give small amounts of water to drink. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

5. FIREFIGHTING MEASURES

Suitable Extinguishing Media	Water, carbon dioxide (CO ₂), foam, dry chemical.
Extinguishing Media which must not be Used for Safety Reasons	None.
Hazardous Decomposition Products	Carbon oxides.
Special Protective Equipment for Firefighters	Not required.
Further Information	Fiberglass itself will not burn. The surface coating can burn even in the absence of atmospheric oxygen. This may lead to the formation of hazardous decomposition products.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Ensure adequate ventilation.
Environmental Precautions	No special environmental precautions required.
Methods for Cleaning Up	Pick-up and arrange for disposal in a manner that avoids creating excessive dust. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

HANDLING	
Technical Measures/Precautions	Take measures to prevent the build-up of electrostatic charge. Fiberglass needled mat products may contain broken steel needles, which may cause physical injury.
Safe Handling Advice	Avoid dust formation.
STORAGE	
Technical Measures/Storage Conditions	Store at room temperature and relative humidity less than 65% (+/- 10%) for optimum performance. Keep in a dry place.
Incompatible Products	None.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Controls	
Exposure Limit Values	OSHA 15mg/m ³ (total dust.), 5mg/m ³ (respirable dust) ACGIH 5 mg/m ³ TWA (inhalable fraction), 1fibre/cm ³ (respirable fraction) UK, IRL OEL 5mg/m ³ TWA (inhalable dust), 2fibres/cm ³ (respirable fraction)
Engineering Measures to Reduce Exposure	Ensure adequate ventilation, especially in confined areas.

Personal Protection Equipment	
Respiratory Protection	Effective dust mask. If use or application generates dust, use an appropriate respirator with a particulate filter.
Hand Protection	Rubber or plastic gloves. Break through time: no data available.
Eye Protection	Safety glasses with side-shields.
Skin and Body Protection	Lightweight protective clothing.
Hygiene Measures	General industrial hygiene practice. Regular cleaning of equipment, work area and clothing. When using do not eat or drink.
Environmental Exposure Controls	No special environmental precautions required.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information	
Form	Solid / Fibres
Colour	White - Light yellow
Odour	None
Important Health, Safety and Environmental Information	
pH	N/A
Boiling Point/Range	N/A
Flash Point	N/A (Needled Mat > 93°C)
Explosion Limits	No data available
Vapour Pressure	N/A
Vapor Density	N/A
Relative Density	2.6 - 2.7
Solubility	Water solubility: insoluble
Other Information	
Melting Point/Range	No data available

10. STABILITY AND REACTIVITY

Stability	Stable at normal conditions. Hazardous polymerisation does not occur.
Conditions to Avoid	Do not expose to temperatures above 800 °C. The product can give off smoke at approximately 200 - 260°C due to the decomposition of the surface coating.
Materials to Avoid	None.
Hazardous Decomposition Products	Carbon oxides and other hazardous combustion products from the surface coating.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	No data available
Local Effects	May cause eye/skin irritation. May cause irritation of respiratory tract.
Long Term Toxicity	Health injuries are not known or expected under normal use (PPG Glass fibres).
Specific Effects	Not carcinogenic (NTP, IARC, OSHA). Glass fibre is not on any EU list as a carcinogen.

Further Information

There are no known health effects from the long term use or contact with nonrespirable continuous filament fibres. As manufactured, PPG glass fibres are nonrespirable. Nonrespirable fibres cannot reach the deep lung because they have a diameter of greater than 3.5 micrometers. Fibres 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 surface of the upper respiratory tract, nose or pharynx. These fibres are then cleared through normal physiological mechanisms. Chopped, crushed, or severely mechanically processed fibre glass may contain small amounts of respirable fibre-like material that could reach the deep lung. The measured airborne concentration of respirable fiber-like material in areas where severe processing of fiberglass occurred has been shown to be extremely low and well below the TLV. Repeated or prolonged exposure to respirable glass fibres may cause fibrosis, lung cancer and mesothelioma. PPG glass fibres in the form supplied, do not contain respirable fibres.

12. ECOLOGICAL INFORMATION

Mobility	Insoluble.
Persistence/Degradability	No data available.
Bioaccumulation	No data available.
Ecotoxicity	No data available.

13. DISPOSAL CONSIDERATIONS

Waste from Residues/Unused Products	Can be landfilled, when in compliance with local regulations.
Contaminated Packaging	Empty containers should be taken for local recycling, recovery or waste disposal.
Further Information	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

14. TRANSPORT INFORMATION

Transport Information	Not classified as dangerous in the meaning of transport regulations.
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15. REGULATORY INFORMATION

Regulatory Information	Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC.
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16. OTHER INFORMATION

Recommended Use	Industrial Application
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The information provided in this 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.