



Material Safety Data Sheet

A1 Triaxial Fiber ETXT 160 300

INTRODUCTION

The European Regulation (ER) on Chemicals No. 1907/2006 (REACH) enforced on June 1st, 2007 does only require Safety Data sheet (SDS) for hazardous substances and preparations,

SDS requirement is not applicable. Acrylic One will however continue to communicate to its customers, the appropriate information for assuring the safe handling and use of this product.

This fiber glass is not respirable because of its favorable fiber dimensions and is not a dangerous material under current EU regulations. To the best of our current knowledge with our supplier's information, our products do not constitutionally contain any REACH SVHC's > 0.1% w/w (update 18-12-2013). We are aware that the SVHC list may be modified by addition or removal of substances in the future.

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product name: A1 Triaxial Fiber ETXT 160 300

Supplier: Acrylic One
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS REG No.	Weight %	Warning Symbol
1. Continuous Filament Glass fibres	65997-17-3	85 - 100	N/A
2. Organic Sizing/Binder	N/A	0 - 15	N/A
3. Polyester Yarn (1) (1) Multiaxial Products	N/A	0 - 6	N/A

3. HAZARDS IDENTIFICATION

Classification

With regard to its composition, this product is not hazardous according to European directives 67/548/EEC or 1999/45/EC and their latest amendments. The product is stable and not flammable under normal industrial conditions. Health Effects Continuous exposure of glass fibre filaments end/or synthetic fibres may sometimes cause irritation of the skin and less frequently, of the eyes, nose or respiratory tract.

For detailed explanation see section 11.

4. FIRST AID MEASURES

Inhalation: Move patient to fresh air. If Persistently irritant seek medical attention.

Skin contact: Wash with cool water and mild soap. If fiberglass becomes embedded or causes cut wounds seek medical attention.

Eye contact: Immediately flush eyes with plenty of running water, also under eyelids, for at least 15 min, seek medical attention.

Ingestion: Seek medical attention.

Information to doctor of other trained persons giving first aid Skin irritation responds well to mild hydrocortisone cream.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water, carbon dioxide (CO₂), dry chemical and foam.

Extinguishing media which must not be used for safety reasons: N/A

Special exposure hazards in a fire

Small amount of gases, Like CO, CO₂ and H₂ are released at decomposition of sizing and binder.

Other undetermined compounds may also release in very small quantities.

Special protective equipment for fire - fighters

In a sustained fire self-contained breathing apparatus (SCBA) should be worn.

Other instructions: Main part of the product is E-glass which does not burn.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: See section 8

Environmental precautions: Glass fibre is considered as inert industrial waste and no special environmental precautions are required.

Methods for Cleaning up: Dispose of as a solid waste in accordance with government regulations.

Avoid creating of excessive dust.

7. STORAGE AND HANDLING

Handling: Normal care to be taken.

Storage: Products should be stored at temperatures 15 – 35 C and relative humidity below 75% in their original package to maintain the original properties of the product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls

Continuous Filament Glass Fibres are not respirable. However, certain mechanical processes might generate airborne dust or fibre (see section 11). The occupational exposure limits below mentioned are applicable to airborne fibre exposure and/or to dust exposure.

	Respirable Dust	Total Dust	Respirable Fibre
ACGHI	3 mg/m ³	15 mg/m ³	1 fibre/ml
Austria	6 mg/m ³		0.5 fibre/ ml
Denmark	6 mg/m ³	10 mg/ m ³	1 fibre/ ml
Finland		10 mg/m ³	1 fibre/ ml
France		10 mg/m ³	1 fibre/ ml
Germany	3 mg/m ³	4 mg/m ³	0.25 fibre/ ml
Ireland	5 mg/m ³		2 fibres/ml
Italy	3 mg/m ³	10 mg/ m ³	1 fibre/ ml
Netherlands	2 mg/m ³	10 mg/ m ³	1 fibre/ ml
Norway	5 mg/ m ³	10 mg/m ³	1 fibre/ ml
Portugal		4 mg/ m ³	1 fibre/ ml
Spain	3 mg/m ³	10 mg/ m ³	1 fibre/ml
United Kingdom	5 mg/m ³	10 mg/m ³	2 fibres/ml

NOTE! The user of CFGF products has to comply with the national regulation in term of health worker protection.

Respiratory protection: None normally required, can be used (FFP1 or FFP2) for convenience when work place ventilation is limited.

Hand protection: Use of protective gloves or barrier creams to prevent skin irritation.

Eye protection: Use safety glasses with side shields if airborne glass fibre concentration exceeds nuisance level,

Skin protection: Use lightweight protective clothing to minimize skin irritation.

Environmental exposure controls: No special environmental precautions required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Colour :	Yellow-white to white
State :	Solid E-Glass
Odour :	No
Diameter :	Filaments have a diameter in the range of 9 – 25 um, depending on product
pH :	Neutral if wetted
Flash Point :	N/A
Flammability :	N/A
Softening point :	800 °C
Boiling point :	N/A
Solubility in water :	insoluble in water
Explosive limits :	N/A
Relative density :	2,6

10. STABILITY AND REACTIVITY

Conditions to avoid: High humidity and temperature may affect properties of the product.

Materials to avoid: Wet product loses partly its strength and becomes unusable but is not hazardous.

Hazardous decomposition products: the product starts to decompose gradually at temperatures above 220 C when als small amounts of decomposition gases are released.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Not relevant

Irritation and corrosiveness: Dust and fibres may cause mechanical irritation to eyes and skin. The irritation disappears when the exposure ceases.

Empirical data on effects on humans: ---

Other information on health effects: Continuous filament glass fibres are not respirable according to the World Health Organization (WHO)

Definition and therefore not carcinogenic (NTP, IARC, OSHA); respirable fibres have a diameter (d) smaller than 3 µm, a length (l) larger than 5µm and a l/d ratio larger than or equal to 3. Long term use or contact with non respirable continuous glass fibres is not known to affect health. Non respirable glass fibres are not able to reach the deep lung due to their diameter which is greater than 3.5 µm. They may deposit on the surface of the upper respiratory tract or nose and they are cleared through normal physiological mechanisms. Inhalation may cause coughing, nose and throat irritation and sneezing. Continuous filament glass fibres that are chopped, crushed or severely mechanically processed during use, however, may contain small amount of respirable particles.

12. EXOLOGICAL INFORMATION

No applicable Data

13. DISPOSAL CONSIDERATIONS

The products are considered as inert industrial waste and can be disposed of as solid waste. However, the local regulations should be taken into account. EWC code for used glass fibre material is 101103.

Fiberglass products which are part of reinforced plastics must be disposed of in accordance with requirements for those plastics and resins where they exist.

Packaging materials should be recycled according to local regulations.

14. TRANSPORT INFORMATION

Hazardous class : Not Regulated for Transport

15. REGULATORY INFORMATION

This product is not hazardous according to European Directive 99/45/EC, 67/548/EEC and their latest amendments. Continuous Filament Glass Fibre(CFGF) products are articles in the meaning of REACH (1907/2006/ER).

16. OTHER INFORMATION

None

DISCLAIMER OF LIABILITY

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