



SAFETY INFORMATION SHEET FOR ARTICLES

Milled glass fibre 0.2 mm

Item no. 210110

0. GENERAL INFORMATION

In terms of item 3.3 of the REACH Regulation (EG) No. 1907/2006 these products are articles. They do not contain any substances which are intentionally released under normal or reasonably foreseeable conditions of use. Therefore, there exists no registration requirement for substances in articles in the sense of item 7.1 of the regulation. A safety data sheet for these products must not be provided as according to item 31 such a safety data sheet is only required for dangerous substances and preparations and not for articles. STW has committed itself to provide its customers with appropriate information regarding safe handling and application. A special format is not stipulated.

1. DESIGNATION FOR PRODUCT AND COMPANY

1.1 FIBRE PRODUCT

Presentation	Fibre filler, Short cut fibre
Fibre class	Continuous glass fibre
Chemical designation	AR-glass, E-glass, ECR-glass, Silica glass
Commercial name	Milled glass fibre 0.2 mm
Application	Technical application, fibre reinforcement

1.2 DESIGNATION OF COMPANY

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2. HAZARDOUS IDENTIFICATION

Classification (1272/2008 EC)	not classified
Label elements	not applicable
Other hazards	May cause itching and transient irritation after skin contact or ingestion.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 COMPOSITION

AR-glass with spin finish	CAS-Nr. 65997-17-3
E-glass with spin finish	CAS-Nr. 65997-17-3
ECR-glass with spin finish	CAS-Nr. 65997-17-3

3.2 SPIN FINISH

The fibre product may contain up to 1.5 % of a spin finish based on organic polymer. At temperatures above 200 °C the thermal decomposition of the spin finish starts.

4. FIRST AID MEASURES

General advice	If symptoms persist or if there is any doubt, seek medical advice.
Eyes	Immediately rinse thoroughly with water.
Skin	If skin irritation occurs, wash with soap and water.
Ingestion	Clean mouth with water and drink plenty of water.
Inhalation	Inhale fresh air.

Most important acute and delayed symptoms and effects

In some cases a weak skin irritation was observed (redness, itching). Dust may irritate the respiratory tract and cause bronchitis symptoms.



5. FIRE-FIGHTING MEASURES

5.1 COMBUSTION PROPERTIES

Flash point	not applicable
Auto-ignition temperature	not applicable
Soft temperature	AR-glass approx. 860 °C E-glass approx. 840 °C ECR-glass approx. 880 °C
Decomposition temperature	Silica approx. 1250 °C
Explosiveness	not applicable

Dangerous products of combustion

Textile glass fibre products are not combustible. The sizing particles and the packaging material can decompose and burn in the event of a fire.

5.2 EXTINGUISHING AGENTS

Suitable	all usual extinguishing agents
Unsuitable	water, if the fire was caused by electrical short circuit

5.3 ADDITIONAL ADVICE

In case of fire-fighting in closed rooms, respiratory equipment must be used which is independent of the ambient air. Electrostatic discharge must be observed.

6. ACCIDENTAL RELEASE MEASURES

6.1 CLEANING MEASURES

Before cleansing, the following sections should be consulted: "Fire-fighting measures" and "Handling and storage". During the cleansing procedure, use appropriate "personal protective equipment". The released product must be carefully collected mechanically. Dust formation must be avoided.

7. HANDLING AND STORAGE

7.1 HANDLING

Avoid fibre fly and fibre dust by aspiration and ventilation. Follow good industrial hygiene practices for ventilation and clean up. Keep away from ignition sources. Beware effects of electrostatic discharge. Work must be done with a good working hygiene and safety technology.

7.2 STORAGE

Storage rooms must be well-ventilated and the material should be stored dry at room temperature in the original packaging. The fibre product should be protected from direct sun exposure.



8. EXPOSURE CONTROL AND PERSONAL PROTECTION

8.1 EXPOSURE LIMITS

There are no workplace exposure limits. The TRGS 521 "Fibre dusts" must be observed.

8.2 AVOID FIBRE FLY, FIBRE DUST AND DECOMPOSITION PRODUCTS BY ASPIRATION AND VENTILATION

8.3 PERSONAL PROTECTIVE EQUIPMENT

Eye protection

Appropriate safety measures must be observed (safety glasses).

Respiratory protection

A dust mask must be worn when high dust concentrations occur.

Skin protection

Work clothes and gloves must be worn to avoid skin contact.

Hygiene measures

Work must be done with a good working hygiene and safety technology.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 APPEARANCE

Form	grinded, short cut fibres
Colour	white, greyish
Odour	odourless
Density	2.50 – 2.72 g/cm ³ (depending on glass type)

Siehe Punkt 5.1

10. STABILITY AND REACTIVITY

10.1 CHEMICAL STABILITY

Stable

10.2 CONDITIONS TO AVOID

None



10.3 INCOMPATIBILITY WITH OTHER MATERIALS

None

10.4 DEGRADABILITY

Hazardous decomposition products of the sizing particles are carbon dioxide, carbon monoxide and low molecular weight organic decomposition products.

11. TOXICOLOGICAL INFORMATION

11.1 ACUTE TOXICITY

Ingestion

short-term irritations are possible

Skin contact

short-term irritations are possible

Inhalation

short-term irritations are possible

11.2 CARCINOGENICITY

In June 1987, textile glass fibres were graded as "unclassifiable" with respect to carcinogenic properties for humans (Group 3) by the International Agency for Research on Cancer (IARC). Investigations by the IARC on humans and animals did not give sufficient evidence to grade textile glass fibres as possible, probable, or proven carcinogenic substances.

12. ECOLOGICAL INFORMATION

12.1 TOXICITY

The article does not contain substances known to be hazardous for the environment.

13. DISPOSAL CONSIDERATIONS

13.1 WASTE DISPOSAL

The article can be disposed as a non-hazardous waste in a licensed facility, in compliance with local, governmental regulations. EU waste code: 101103 glass fibre waste

14. TRANSPORT INFORMATION

The article is not a hazardous substance in terms of transport regulation.



15. REGULATORY INFORMATION

The article is not a dangerous substance under the terms of national and international regulations and stipulations. No substance safety assessment is required.

16. OTHER INFORMATION

In the sense of REACH the specified fibre products are articles. However, they are not articles which are subject to the regulations of registration according to item 7(1) or item 7(2). The details, given in that safety information sheet for articles refer exclusively to the fibre product described herein and not to its use in combination with any other substance or in another preparation or product or any other process. The safety information sheet for articles shall serve human and environment by providing appropriate information to industrial users.

The information and recommendation contained herein are based upon data believed to be correct. A binding assurance for specific product properties cannot be derived out of this.