



Revised: April 12, 1995

Data sheet no. 4

01 Material / preparation and company designation

Product information

Trade mark: Chopped textile glass

Manufacturer / supplier information

Manufacturer: Glasseiden GmbH Oschatz
Wellerswalder Weg 17
D-04758 Oschatz / Germany

Phone: +49-3435-87-0

Fax: +49-3435-2447

Supplier: Lauscha Fiber International Corp. Lauscha Fiber International GmbH
105 Eastport Lane Dammweg 35
Summerville, SC 29483 / USA D-98724 Lauscha

Phone: +1-843-871-3200

+49-36702-287-0

Fax: +1-843-871-8866

+49-36702-20269

02 Composition / component information

Chemical characteristics: E-Glass
according to DIN 1259 Part 1, Aluminium-Borosilicate-Glass
with an Alkali weight content of $\leq 1\%$ for plastic reinforcement

Glass percentage: $\geq 98.5\%$

Sizing type: Silane coupling agent, plastic dispersion,
lubricant, anti static

Sizing content: 1.5 %

Preparation: Cutting of continuous glass filaments

03 Possible Risks

Glass fiber can lead to temporary irritation on skin, mucous membrane and eyes as well as overreaction due to sizing components.



Revised: April 12, 1995

Data sheet no. 4

04 First Aid

General advice:	Gently remove fiber from skin, mucous membrane or eyes.
Mucous membrane contact:	Encourage coughing with mucous producing solutions (i.e. inhalation of water steam)
Skin contact:	Gently remove fiber with water or soap.
Eye contact:	Gently remove coarse fiber, rinse fine fiber with water from nose to eye corner.
When swallowed:	Without importance.
Indication for physician:	No specific medical precaution necessary.

05 Fire-fighting information

Chopped Strand are not combustible.

Combustible are packing material such as cardboard, PE foil and wood.

Recommended extinguisher: Water, foam, powder.

06 Measures to be taken on the event of involuntary release

Personal precautions:	None
Environment:	Textile glass products are ecologically harmless.
Disposal measures:	- See local decrees. - Abfall- und Reststoffüberwachungsverordnung (Waste- and disposal decree) of 03.04.1990
Cleaning:	No need for special cleaning precautions or rules.



Revised: April 12, 1995

Data sheet no. 4

07 Handling and Storage

Handling: Wear safety gear (gloves, glasses, dust mask) in order to minimize the possible risk of contact with skin, mucous membrane and eyes and decrease irritations and allergies.

Storage: Store dry and in manufacturer bag. Avoid direct sun light.
Best storage conditions: - temperature below 86° F (30° C)
- humidity between 50 and 75 %

08 Exposure limitation and personal protective equipment

Additional information for the design of the technical plant.

Vacuum-cleaning at the job site for fine fiber dust.

Guaranty of defined climate for processing:

Temperature at approx. 25° C (68° F), humidity between 50 and 75 %

Components and limits to be monitored at the job site: None.

Protective personal equipment: Not necessary.

09 Physical and Chemical Properties

Appearance

- Color: Colorless.
- Odor: None.

Physical and safety datas

- Change of condition: 840° C (1545° F)
- Flash Point: Not applicable
- Ignition temperature: Not applicable
- Spontaneous combustibility: Not applicable
Sizing decomposition at temp. > 400° C (752° F)
- Fire-stimulating properties: Not applicable
- Explosion limit: Not applicable
- Steam pressure: Not applicable
- Density: 2.61 g/cm³
- Solubility E-Glass: not water soluble
Sizing: partially water soluble
- pH-value (at 20°C / 68°F) neutral in aqueous solution



Revised: April 12, 1995

Data sheet no. 4

10 Stability and Reactivity

Conditions to avoid:	None
Substances to avoid:	None
Hazardous decomposition products:	None

11 Toxicological Data

Textile glass products do not contain hazardous or toxic ingredients according to the GefStoffV of 26.08.1986.

Textile glass products are not carcinogenic. They have a nominal filament diameter of > 10 µm. The smallest possible filament diameter is 6 µm.

According to the TRGS 905 (April 1995) fine fiber dust can be carcinogenic only if all following conditions are fulfilled:

Fiber length > 5µm, diameter < 3µm, ratio of length to diameter > 3:1.

12 Ecological Information

Textile glass fiber are made from mineral raw material and do not have essential organic substances. They are not biologically decomposable. Textile glass fiber are ecologically harmless.

13 Waste Disposal Information

Waste materials identification code: 31416 Mineral fiber waste

Textile glass fiber are not materials according to the hazardous material decree.
Rules to notice for disposal:

- local waste disposal decrees
- "Abf Rest Überw V" (Abfall- und Reststoffüberwachungs-Verordnung) of 03.04.1990



Revised: April 12, 1995

Data sheet no. 4

14 Transportation

Transportation ADR/RID and GGVS/GGVE (across the borders/domestic)

Textile glass fiber are not materials in the sense of the hazardous material decree (Gefahrstoffverordnung) of 26.08.1986.

Therefore there are no special measures necessary for the transportation and labeling by land, sea or air.

Transport in closed vehicles in original packaging to protect from humidity.

15 Regulations

Labeling according to EC(EWG)-Regulations

Identification letter and hazardous sign for product:	None
Hazardous component(s) for labeling purposes:	None

Domestic Regulations

Additional classification according to GefStoffV:	Not applicable
Information for employment restrictions:	None
Fault Ordinance:	Not applicable
Classification according to VbF:	Not applicable
Technical instructions air:	Not applicable
Water pollution classification:	Not applicable
Further regulations:	None

16 Further Information

None