

# Material Safety Data Sheet - Group 6

Pultruded profiles made of fibre glass reinforced polyester with fillers

Date: Second edition, 27/02-2007.

## 1. Identification of material and producer

Product Name and/or Number:

Fiberline P1304

Fiberline P1501.

Product Type/Field of Application

Pultruded profiles made of fibre glass reinforced polyester with fillers. Find application as semi-manufactures within all industries, where this proves to be advantageous or required due to the properties of the product.

Company Name and Address, Telephone and Fax Number

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Application limitations:

None within the technical field of application of the product.

Demands for special education:

None.

## 2. Material Composition/Information on the Material Content

Glass fibre-reinforced and cured polyester (glass fibre diameter: 9-20 µm). The liquid polyester contains styrene, which is crosslinked when cured. The cured material retains small quantities of styrene (<1%). The material contains alumina/silica complex (clay) as fillers.

## 3. Possible Dangers

Profiles of fibreglass-reinforced polyester with fillers have no hazardous properties. Dust resulting from the grinding and cutting process may, however, irritate the eyes, the mucous membrane and the skin.

## 4. First Aid Measures

Eye Contact:

Open the eyes widely and wash with plenty of water. Remove contact lenses, if any. Call a doctor if the irritation lasts.

Skin Contact:

Dust resulting from the grinding or cutting process must be removed thoroughly by means of soap and water.

Inhalation:

If large amounts of grinding and cutting dust are inhaled by accident, take the injured person outside to breathe fresh air. Call a doctor if the irritation lasts.

## 5. Fire Fighting Measures

Extinguishing medium:

Water, powder, foam or carbon dioxide. During fire normal smoke gasses will be released (most carbon monoxide, carbon dioxide and carbon particles).

## 6. Measures in Case of Accidental Emission

The product cannot cause any emission to occur.



## 7. Handling and Storage

### Handling:

The grinding and cutting process may produce dust containing glass fibres. Provide sufficient ventilation or wear dust filtering masks in order to avoid the inhalation of dust. The product contains a small styrene residue, which may be released from the cut surface.

### Storage:

No special measures.

## 8. Exposure Control/Protective Equipment

### Technical Measures:

Sufficient ventilation and local exhaust ventilation must be provided during processing. Furthermore, the regulations in each individual country must be observed.

### Protective Equipment:

Breathing Protection: If the ventilation proves to be insufficient during the grinding or cutting process, a permissible dustguard must be worn.

Eye Protection: Safety glasses must be worn.

Skin Protection: No other protection but clean clothing covering the whole body. In order to avoid irritation, a protective cream may be applied on the skin under the collar and on the wrists.

Threshold limiting values according to list from Danish Working Environment Service, of October 2002:

Styrene: 25 ppm – 105 mg/m<sup>3</sup> LHK

Organic dust: 3 mg/m<sup>3</sup>

Mineral dust: 10 mg/m<sup>3</sup> (not respirable)

The glass fibre used has a diameter of 9-20 µm and should not be mistaken for glass or mineral wool.

## 9. Physical and Chemical Properties

### Physical state:

A solid heterogeneous material.

### Smell:

The product may have a weak smell of styrene, which has a very low smell limit, approx. 0.3 ppm.

### Spontaneous combustion:

490°C

### Water-solubility:

Not soluble in water.

## 10. Stability and Reactivity

The product will remain stable under the recommended storage and handling conditions.

## 11. Toxicological Information

### Inhalation:

The main part of the grinding and cutting dust will be caught by the mucous membranes of the respiratory tract. Dust getting into the lungs will cause irritation.

### Eyes:

Grinding and cutting dust may cause irritation.

### Skin:

Grinding and cutting dust may cause temporary irritation, especially round the wrist and the neck.

## 12. Environmental Information

The product is very resistant and practically not degradable by nature.

## 13. Waste Disposal



Residuals can be deposited or incinerated.

#### **14. Transport**

Not classified as dangerous goods.

#### **15. Information on regulations**

Glass-fibre reinforced profiles need not be classified according to the regulations of the Danish Ministry of Environment regarding classifications, labelling etc. Styrene is included in the list of carcinogens of the Danish Working Environment as well as in the guidelines on organic solvents published by the Danish Working Environment.

Cured polyester as used in profiles is not included in the Regulation no. 906 of 8 November 2002 on measures taken to prevent exposure to carcinogenic substances and materials.

#### **16. Miscellaneous**

The product is not subject to the EEC Directive 99/155/EEC; however, this Material Safety Data Sheet has been worked out in accordance with this directive.

The above information is given on the basis of our knowledge of today and is based on Danish and EU legislation. The instructions given are subject to the products being used for its normal purpose as mentioned under point 1. The responsibility to meet the requirements of national legislation will always lie with the user. The information given in this material safety data sheet should only be regarded as a description of safe handling of the product and represents no guarantee on the properties of the product.

This material safety data sheet has been made in co-operation with the Danish Plastics Federation.