

SAFETY DATA SHEET

Fibrofor[®]

According to 1907/2006/EG

Date of issue: 01.03.2017

1. Identification of substance and company

Product name	Fibrofor Diamond 38
Application	Reinforcement of concrete (details see technical sheet)
Supplier	Contec Fiber AG Via Innovativa 21 CH-7013 Domat/Ems Tel. +41 81 632 61 61

2. Composition / Information on ingredients

Chemical family	Polyolefine
Main component	Mixture NA

3. Hazards identification

Inhalation	No significant hazards to humans and environment are associated with this product, if used in accordance with good industrial hygiene practice. Heated at more than 230 °C, the product may form vapours or fumes which may cause irritation of respiratory tracts and cause coughing and sensation of shortness of breath.
Skin contact	Contact with hot product may cause severe thermal burns.
Physico-chemical hazards	Combustible if exposed to flames. Risk of electrostatic charge during handling.

4. First-aid measures

Inhalation	Not specifically affected
Skin contact	Exposure to splashing of hot product: Treat the affected part with cold water. No attempt should be made to detach polymer adhering to the skin. Usually the layer detaches itself after a few days. In case of severe burn, seek medical advice immediately.

Eye contact

Exposure to splashing of hot product:

Treat the eyes with cold water.

Seek special attention at hospital or medical center immediately. In case of irritation caused by fine dust: wash with copious volumes of water, until the irritation disappears.

Ingestion

Not specifically affected

5. Fire-fighting measures

Technical measures

Stop the fire feeding.

Call the fire brigade immediately.

Evacuate non-essential personnel.

Extinguishing media

Suitable

For minor fires: carbon dioxide or powder.

For more extensive fires: foam AFFF. Water spray (mist) to cool the surfaces exposed to the fire.

Not to be used

Do not use water jets (stick jets) in the early stages of extinguishing fire since they could help to spread the flames.

Protection against fire

Wear suitable breathing equipment in case of risk of exposure to vapour or fumes.

6. Accidental release measures

Methods for cleaning up/taking up

Environmental protection measure

Additional note

See also chapters 8 and 13

Mechanical record

No special measures required

Pure product can be reused

7. Handling and storage

Handling

Storage

In accordance with industrial hygiene and safety practices.

Store at ambient temperature in original packaging.

Do not store near highly flammable materials.

Store away from heating source, avoid static electricity and discharges.

Store in dry, well-ventilated area.

Consider technical advises referring to optimal processability.

See also chapter 8

8. Exposure controls / personal protection

Personal protection

Respiratory protection

No special risk if handled in accordance with good industrial hygiene practice and any legal requirements.

Skin protection

In case of risk of overexposure to dust, the working area must be properly ventilated.

If contact with hot materials is possible wear heat-insulating and chemicals-proof gloves as well as a face shield.

Eye protection

When the splashing of molten droplets may occur, wear goggles/spectacles.

Other protection

Safety non-slip shoes in areas where spills or leaks can occur.

9. Physical and chemical properties

Form	Fiber
Physical state at 20 °C	compact
Colour	white
Odour	odourless
Change in physical state at 1013 hPa	
Melting range	approx. 150° C
Flash point (ASTMD 1929-77)	± 350 °C
Auto-ignition temperature	> 380 °C
Explosion limits	not explosiv
Density	0,91
Solubility in water	insoluble
Viscosity (mm/s)	not applicable

10. Stability and reactivity

Stability	Stable under normal operating conditions.
Conditions to avoid	Avoid contact with strong oxidizing. Avoid proximity or contact with flames or sparks. Do not heat at temperature exceeding 300 °C.
Combustion, oxidation products	Depending of temperature and oxygen availability, combustion off-gases contain variable quantities of toxic substances: carbon monoxide (CO) and various organic compounds which must not be inhaled.

11. Toxicological information

Acute toxicity	none
Symptoms reacting to use	
Inhalation	Heated at more than 230 °C the product may form vapours or fumes which may cause irritation of respiratory tracts and cause coughing and sensation of shortness breath.
Skin contact	Contact with hot product may cause severe thermal burns.
Eye contact	Splashing of molten droplets causes ocular tissue injury. As per our experiences and the information existing the product causes no adverse health effect with proper handling and conventional application.

12. Ecological information

Biodegradation	not readily biodegradable
Ecotoxicity	not ecotoxic
BOD 5 (gO ₂ /g)	below the detection limit

13. Disposal consideration

Disposal	According to local regulations. Do not dispose in the environment and in the drain system.
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14. Transportation information

Road (ADR) / Rail (RID)
Marine (IMO-IMDG)
Airline (ICAO / IATA)

not classified as hazardous material
not classified as hazardous material
not classified as hazardous material

15. Regulatory information

Labelling

According to the current EC-regulations there is no labeling required.

16. Other information

This Safety Data Sheet corresponds to the EC-Regulation 1907/2006 dated 18.12.2006, Annex II, although the product is not classified as dangerous and according to Article 31 no obligation exists for an SDB. This information is based on the present state of our knowledge, however, they provide no assurance of product features and shall not establish a legally valid contractual relationship.

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