



# SAFETY DATA SHEET

**Concrix**<sup>®</sup> According to 1272/2008/EG

Date of issue: 18.01.2021

## 1. Identification of substance and company

<b>Product name</b>	Concrix M507
<b>Application</b>	Reinforcement of concrete (details see technical sheet)
<b>Supplier</b>	Contec Fiber AG Via Innovativa 21 CH-7013 Domat/Ems Tel. +41 81 632 61 61

## 2. Composition / Information on ingredients

<b>Chemical family</b>	Olefinic polymer
<b>Main component</b>	Mixture NA

## 3. Hazards identification

<b>Inhalation</b>	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.
<b>Skin contact</b>	Contact with hot product may cause severe thermal burns.
<b>Physico-chemical hazards</b>	Combustible if exposed to flames. Risk of electrostatic charge during handling.

## 4. First-aid measures

<b>Inhalation</b>	Not specifically affected
<b>Skin contact</b>	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.

# SAFETY DATA SHEET

<b>Eye contact</b>	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.
<b>Ingestion</b>	Not specifically affected

---

## 5. Fire-fighting measures

<b>Technical measures</b>	Stop the fire feeding. Call the fire brigade immediately. Evacuate non-essential personnel.
<b>Extinguishing media</b>	
<b>Suitable</b>	For minor fires: carbon dioxide or powder. For more extensive fires: foam AFFF. Water spray (mist) to cool the surfaces exposed to the fire.
<b>Not to be used</b>	Do not use water jets (stick jets) in the early stages of extinguishing fire since they could help to spread the flames.
<b>Protection against fire</b>	

---

## 6. Accidental release measures

<b>Methods for cleaning up/taking up</b>	Mechanical record
<b>Environmental protection measure</b>	No special measures required
<b>Additional note</b>	Pure product can be reused
<b>See also chapters 8 and 13</b>	

---

## 7. Handling and storage

<b>Handling</b>	In accordance with industrial hygiene and safety practices.
<b>Storage</b>	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.
<b>See also chapter 8</b>	

---

## 8. Exposure controls / personal protection

<b>Personal protection</b>	No special risk if handled in accordance with good industrial hygiene practice and any legal requirements.
<b>Respiratory protection</b>	In case of risk of overexposure to dust, the working area must be properly ventilated.
<b>Skin protection</b>	If contact with hot materials is possible wear heat-insulating and chemicals-proof gloves as well as a face shield.
<b>Eye protection</b>	When the splashing of molten droplets may occur, wear goggles/spectacles.
<b>Other protection</b>	Safety non-slip shoes in areas where spills or leaks can occur.

# SAFETY DATA SHEET

## 9. Physical and chemical properties

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

## 10. Stability and reactivity

<b>Stability</b>	Stable under normal operating conditions.
<b>Conditions to avoid</b>	Avoid contact with strong oxidizing. Avoid proximity or contact with flames or sparks. Do not heat at temperature exceeding 300 °C.
<b>Combustion, oxidation products</b>	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

<b>Acute toxicity</b>	none
<b>Symptoms realting to use</b>	
<b>Inhalation</b>	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.
<b>Skin contact</b>	Contact with hot product may cause severe thermal burns.
<b>Eye contact</b>	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

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

## 13. Disposal consideration

<b>Disposal</b>	According to local regulations. Do not dispose in the environment and in the drain system.
-----------------	---

# SAFETY DATA SHEET

---

## 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.

Contec Fiber AG  
Via Innovativa 21  
CH-7013 Domat/Ems  
Switzerland  
Tel. +41 81 632 61 61  
info@contecfiber.com  
www.contecfiber.com

