

SAFETY DATA SHEET

Fiber-Worx 150

Polypropylene Monofilament Micro Fibers

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name **Fiber-Worx 150 & Fiber-Worx Mono Plus**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses Concrete additive

1.3 Details of the supplier of the safety data sheet

Monahan Filaments

202 N Oak St.

Arcola, IL 61910

1.4 Emergency telephone number

Phone number for emergencies: **Emergency telephone number:** 1-800-222-1222

24-hour emergency contact: Poison control center

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

- Upon assessment, this mixture is not classified as hazardous

2.2. Other

hazards

Not indicated.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

- The product contains no substances, nor concentration levels thereof, that require marking or that need to be declared.

SECTION 4: First aid measures

4.1. Description of first aid

measures **Generally**

- In case of concern, or if symptoms occur, call a doctor/physician.
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Upon breathing in

Allow the injured person to rest in a warm place with fresh air, if symptoms persist seek medical attention.

Upon eye contact

- If dust has come in contact with eyes, do not rub.
- Remove contact lenses immediately if possible.
- Rinse the eye for several minutes with lukewarm water. If irritation persists call a doctor.

Upon skin contact

- Remove contaminated clothes.
- Wash the skin with soap and water.
- If symptoms occur, contact a physician.

Upon ingestion

- Rinse nose, mouth and throat with water.
- Immediately drink a few glasses of water or milk.
- Upon ingestion of larger amounts, consult a doctor/physician.

4.2. Most important symptoms and effects, both acute and delayed Upon breathing in

- Inhalation of dust may cause coughing and irritation.

Upon eye contact

Irritation may occur due to mechanical abrasion.

Upon ingestion

- Irritation may occur.

4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Extinguish with water mist, powder, carbon dioxide or alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

- Produces fumes containing harmful gases (carbon monoxide and carbon dioxide) when burning, and, in case of
- incomplete combustion, aldehydes and other toxic, harmful, irritant or environmentally harmful substances.

5.3. Advice for firefighters

- Protective measures should be taken regarding other material at the site of the fire.
- In case of fire use proper breathing apparatus.

Wear full protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- Avoid inhalation and exposure to skin and eyes.
- Use recommended safety equipment, see section 8.
- Avoid dust formation.
- Ensure good ventilation.
- Keep unauthorized and unprotected people at a safe distance.

6.2. Environmental precautions

- Avoid discharge into soil, water or sewers.
- Contact rescue service in case of release of larger quantities.

6.3. Methods and material for containment and cleaning up

- Avoid dust formation and do not dry brush.
- Carefully collect the product without generating dust and dispose of at a waste collection point.
- Rinse area thoroughly with water.
- Ensure good ventilation after sanitation.

6.4. Reference to other sections

See section 8 and 13 for personal protection equipment and disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Store this product separately from food items and keep it out of the reach of children and pets.
- Do not inhale dust and avoid contact with skin and eyes.
- Work in order to avoid spillage. If spillage does occur, address it immediately in accordance with the directions specified in Section 6 of this safety data sheet.
- Avoid handling in a manner which will raise dust.
- Do not eat, drink or smoke in premises where this product is handled.
- Read and follow the manufacturer's instructions.
- Wash your hands after using the product.
- Remove contaminated clothing.
- Wash contaminated clothing before reuse.
- In dusty environment, wear dust mask and protective goggles.
- Use recommended safety equipment, see section 8.
- Implement appropriate engineering controls if necessary, see Section 8.

7.2. Conditions for safe storage, including any incompatibilities

- The product should be stored in a manner which prevents hazards to health and the environment. Avoid exposure to
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- humans and animals and do not discharge the product in a sensitive environment.
- This product should be stored well out of reach of young children and kept safely apart from products intended for consumption.
- Store tightly, in original packaging.
- Store in a cool and dry place (above freezing temperature and not greater than 30°C).
- Store in a well-ventilated space.

7.3. Specific end use(s)

See identified uses in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National limit values Dust

- Time-weighted-average exposure limit (TWA) 10 mg/m³ (Inhalable dust) / 4 mg/m³ (Respirable dust)

8.2. Exposure controls

- The risks posed by the product or its constituents must be considered in the task specific risk assessment, in accordance with current working environment legislation. The risk assessment should be reviewed regularly and updated if necessary.

8.2.1. Appropriate engineering controls

- The ventilation in the workplace must ensure an air quality that meets the requirements of the current working environment legislation. Local exhaust ventilation should be used to remove airborne contaminants at the source.
- Use local extract ventilation or similar ventilation, as dust may be formed.

Eye/face protection

- Use dust protective glasses when handling may create dust.

Skin protection

- Wear suitable protective clothing when necessary.

- Protective gloves are normally not needed due to the properties of this product, but may be necessary for other reasons, e.g. mechanical risks, temperature conditions or microbiological risks.
- The most suitable protective glove should be chosen in consultation with the glove supplier, taking into account the risk assessment for the specific task and the properties of the chemicals involved. Note that the breakthrough time of the material is affected by the duration of the exposure, temperature conditions, abrasion, etcetera.

Respiratory protection

- Use appropriate respiratory protective equipment in case of insufficient ventilation.
- The most appropriate respiratory protective equipment should be decided in consultation with the appointed safety representative, taking into account the risk assessment for the specific task.
- Based on the physical and chemical properties of the product, the following filter type(s) and/or filter combination(s) are recommended:
 - P2/P3.

8.2.3. Environmental exposure controls

- For limitation of environmental exposure, see Section 12.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- (a) Physical state solid
Form: Fibers
- (b) Color Transparent
- (c) Odor scentless
- (d) Melting point/freezing point 165 °C
- (e) Boiling point or initial boiling point and boiling range Not indicated
- (f) Flammability Not indicated
- (g) Lower and upper explosion limit Not indicated
- (h) Flash point >360 °C
- (i) Auto-ignition temperature Not indicated
- (j) Decomposition temperature Not indicated
- (k) pH Not indicated
- (l) Kinematic viscosity Not indicated
- (m) Solubility in water: Insoluble
- (n) Partition coefficient n-octanol/water (log value) Not indicated
- (o) Vapour pressure Not indicated
- (p) Density and/or relative density 0.91 g/cm³

(q) Relative vapour density Not indicated

(r) Particle characteristics Not indicated

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Not indicated

9.2.2. Other safety characteristics

Not indicated

SECTION 10: Stability and reactivity

10.1. Reactivity

- The product contains no substances which can lead to hazardous reactions at normal use.

10.2. Chemical stability

The product is stable at normal storage and handling conditions.

10.3. Possibility of hazardous reactions

- At normal handling and use, hazardous reactions will not occur.

10.4. Conditions to avoid

- Avoid heat, sparks and open flames.
- Protect from moisture.
- Avoid frost.

10.5. Incompatible materials

- Avoid contact with acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: Toxicological information

11.1. Information on hazard classes

- Information on possible health hazards are based on experience and / or toxicological properties of several components in
- the product.

Acute toxicity

- The product is not classified as acutely toxic.

Skin corrosion/irritation

- The product is not classified for skin corrosion/irritation.

Serious eye damage/irritation

- Dust may cause mechanical abrasion of the cornea.
- The criteria for classification cannot be considered fulfilled based on available data.

Respiratory or skin sensitisation

- The product is not classified as sensitising.

Germ cell mutagenicity

The product is not classified as mutagen.

Carcinogenicity

- The product is not classified as carcinogenic.

Reproductive toxicity

- The product is not classified as a reproductive toxicant.

STOT-single exposure

- Transient irritation of the airways may occur during brief/occasional inhalation of dust.
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- The criteria for classification cannot be considered fulfilled based on available data.

STOT-repeated exposure

- Repeated or prolonged inhalation of dust can cause chronic irritation to the respiratory organs.
- The criteria for classification cannot be considered fulfilled based on available data.

Aspiration hazard

- The product is not classified as being toxic for aspiration.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No information is available.

11.2.2. Other information

Not indicated.

SECTION 12: Ecological information

12.1. Toxicity

- The product is not to be labelled as an environmental hazard. However, it is not inconceivable that large emissions, or repeated small emissions, can have a harmful effect on the environment.

12.2. Persistence and degradability

- There is no information regarding persistence or degradability.

12.3. Bioaccumulative potential

- There is no information regarding bioaccumulation.

12.4. Mobility in soil

- Information about mobility in nature is not available.

12.5. Results of PBT and vPvB assessment

- No chemical safety report has been prepared.

12.6. Endocrine disrupting properties

- No information is available.

12.7. Other adverse effects

- No known effects or hazards.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste handling of the product

- Avoid discharge into sewers.
- The product is not classified as hazardous waste.
- Empty, rinsed packaging is sent for recycling where practicable.

14.1. Transport hazard class(es)

Not applicable

14.2. Packing

group

Not applicable

14.3. Environmental

hazards

14.4. Special precautions for

user

Not applicable

14.5. Maritime transport in bulk according to IMO

instruments

Not applicable

14.8 Other transport

information

Not applicable

SECTION 15: Regulatory information

15.1. Chemical safety assessment

Assessment and chemical safety report in accordance with 1907/2006 Annex I has not yet been performed.

SECTION 16: Other information

16a. Indication of where changes have been made to the previous version of the safety data sheet

Revisions of this document

- Earlier versions

classification

- Hazard calculation for this mixture has been performed as a cumulative assessment with the aid of expert assessments

16e. List of relevant hazard statements and/or precautionary statements

16f. Advice on any training appropriate for workers to ensure protection of human health and the environment

Warning for misuse

- This product is not expected to cause severe harm to humans or the environment. The manufacturer, the distributor or the
- supplier are not responsible for adverse effects if the product is not handled in accordance with the directions for use.

Other relevant information

Not indicated
