FIBERFORCE

abcpolymer concrete fibers

FiberForce 350

Safety Data Sheet

DESCRIPTION

FiberForce 350 is an ultra-fine denier fibrillated microfiber manufactured from 100% virgin polymer resins and is designed for crack-width control for concrete due to shrinkage and temperature restraint. FiberForce 350 has finishing attributes similar to polypropylene monofilament microfibers with limited surface fibers.

HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This product does not require any hazard warning on the label under OSHA criteria.

GHS CLASSIFICATION: Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

POTENTIAL HEALTH EFFECTS:

- EYE CONTACT: No significant health hazards identified. Particles may cause slight discomfort similar to getting dust in the eye.
- SKIN CONTACT: No significant health hazards identified. Particles may cause slight discomfort similar to rubbing sand against the skin.
- INHALATION: No significant irritation expected other than possible mechanical irritation. When heated, the vapors/fumes given off may cause respiratory tract irritation.
- INGESTION: No significant health hazards identified.
- HMIS HAZARD ID: (Health:1) (Flammability:1) (Reactivity:0)
- NFPA HAZARD ID: (Health:1) (Flammability:1) (Reactivity:0)

ACCIDENTAL RELEASE MEASURES

SPILLED MATERIAL MAY PRESENT A SLIP HAZARD. CONTAIN AND REMOVE BY MECHANICAL MEANS. PREVENT ENTRY INTO WATERWAYS AND SEWERS.

EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:

OSHA PERMISSIBLE EXPOSURE LIMIT:

- 8 hour TWA of 15 mg/m cu. Total Dust
- 8 hour TWA of 5 mg/m cu. Respirable Fraction

ACGIH THRESHOLD LIMIT VALUE:

- 8 hour TWA of 10 mg/m cu. Inhalable Particles
- 8 hour TWA of 3 mg/m cu. Respirable Particles

ENGINEERING CONTROLS: Control airborne concentrations below the exposure guidelines.

PERSONAL PROTECTION:

- EYE: None required; however, if contact is likely, safety glasses with side shields are recommended.
- SKIN: None required; however, use of protective gloves/clothing is a good industrial practice.
- INHALATION: None required; however, use of adequate ventilation is a good industrial practice.
- SPECIFIC HYGIENE MEASURES: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS #	RANGE % BY WEIGHT
Polyolefin	9003-07-0	100%

FIRST AID MEASURES

EYE: Flush eyes with plenty of water. Get medical attention if irritation persists.

SKIN: Wash exposed skin with soap and water. Get medical attention if irritation develops.

INHALATION: If adverse effects occur, remove to uncontaminated area.

INGESTION: If a large amount is swallowed, get medical attention.

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Agents approved for Class A hazards (e.g., halogenated agents, foam, steam) or water fog.

SPECIFIC HAZARDS: Incomplete burning can produce carbon monoxide and/or carbon dioxide and other harmful products. Avoid generating dust; fine dust dispersed in air in sufficient concentration and in the presence of ignition source is a potential dust explosion hazard.

FIRE FIGHTING EQUIPMENT: Firefighters should wear full bunker gear, including a positive pressure self-contained breathing apparatus.

HANDLING & STORAGE

HANDLING: No special requirements.

STORAGE: No special requirements.

TOXICOLOGICAL INFORMATION

ACUTE TOXICITY DATA:

- EYE IRRITATION: Testing not conducted. See other toxicity data.
- SKIN IRRITATION: Testing not conducted. See other toxicity data.
- DERMAL LD50: Testing not conducted. See other toxicity data.
- ORAL LD50: Testing not conducted. See other toxicity data.
- INHALATION LD50: Testing not conducted. See other toxicity data.

OTHER TOXICITY DATA: Specific toxicity tests have not been conducted on this product. Our hazard evaluation is based on information from similar products, the ingredients, technical literature, and/or professional experience.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Solid fiber, translucent white color.
ODOR: None to Mild.
PH: Not determined.
VAPOR PRESSURE: Not determined.
VAPOR DENSITY: Not determined.
BOILING POINT: Not determined.
MELTING POINT: 130 °C (266 °F) – 170° C (338 °F)
SOLUBILITY IN WATER: Negligible, Below 1%
SPECIFIC GRAVITY (WATER=1): 0.91

ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this product. Information given is based on data available for the material and similar materials.

ECOTOXICITY: Not expected to be harmful to terrestrial or aquatic organisms.

PERSISTENCE AND DEGRADABILITY:

- BIODEGRADATION: Expect to be persistent.
- HYDROLYSIS: Transformation due to hydrolysis is not expected to be significant.
- PHOTOLYSIS: Transformation due to photolysis is not expected to be significant.
- ATMOSPHERIC OXIDATION: Transformation due to atmospheric oxidation is not expected to be significant.
- MOBILITY: Low solubility and floats and is expected to migrate from the water to the land. Expected to partition to sediment and wastewater solids.
- BIOACCUMULATION POTENTIAL: Potential to bioaccumulate is low.

STABILITY AND REACTIVITY

- STABILITY: Stable.
- CONDITIONS TO AVOID: Avoid elevated temperatures for prolonged periods of time.
- MATERIALS TO AVOID: Strong oxidizers, Fluorine.
- HAZARDOUS DECOMPOSITION PRODUCTS: Material does not decompose at ambient temperatures.
- HAZARDOUS POLYMERIZATION: Will not occur.

TRANSPORTATION INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION: Not regulated for transport.
SEA (IMDG): Not regulated for transport.
AIR (IATA): Not regulated for transport.
EUROPEAN ROAD/RAIL (ADR/RID): Not regulated for transport.
CANADIAN TRANSPORTATION OF DANGEROUS GOODS: Not regulated for transport.

REGULATORY INFORMATION

SARA (311/312) REPORTABLE HAZARD CATEGORIES: None.
T.S.C.A.: All components are listed in the T.S.C.A. inventory.
SARA 313: Product contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program.
EPCRA SECTION 302: This product contains no extremely hazardous substances.
OZONE DEPLETION POTENTIAL: This product does not contain Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
CALIFORNIA PROP. 65 COMPONENTS: This product does not contain any component listed under California Prop. 65.

DISPOSAL CONSIDERATION

DISPOSAL RECOMMENDATIONS: Material that cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

REGULATORY DISPOSAL INFORMATION: Product is not listed by the EPA as a hazardous waste (40 CFR, Part261D), nor is it formulated to contain materials which are listed as hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.