MantaMicro™ 555

High-Strength Polyethylene Micro-Fiber

SECTION 1. IDENTIFICATION

Product name: MantaMicro™ 555 High-Strength Polyethylene Micro-Fiber (product code SDS-555-EN; colors: White)

Recommended use: Reinforcing fiber mixed into Manta silicone roof coatings; professional use only. Uses advised against: None identified.

Supplier / distributor: Manta Roofing Products, LLC — California: 1835 Wright Ave, La Verne, CA 91750; Florida: 1001 SE 21st St, Fort Lauderdale, FL 33316. Phone +1 844 506 2682. mantaroof.com

Emergency telephone: CHEMTREC 24-hour emergency: 1-800-424-9300

SECTION 2. HAZARD(S) IDENTIFICATION

Classified as hazardous under OSHA Hazard Communication Standard 29 CFR 1910.1200 as a combustible dust (fiber manufacturer SDS). No GHS health or environmental classification applies.

HAZARD CLASS	CATEGORY
Combustible dust	Not categorized

Pictograms: None

Signal word: Warning

Hazard statements: May form combustible dust concentrations in air.

Precautionary statements: Store and handle the fibers well away from ignition sources. Avoid creating airborne fibers or dust, and do not let dust build up on surfaces. Use dust-free cleaning (vacuum), not compressed air.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

High-density polyethylene fiber (CAS 9002-88-4), more than 98 %, with less than 2 % moisture. The fiber manufacturer lists no ingredient as hazardous under OSHA HCS.

SECTION 4. FIRST-AID MEASURES

Inhalation: Take the person outdoors or to fresh air. Call a doctor when breathing is difficult or symptoms continue.

Skin: Wash the skin with soap and water and take off soiled clothing. See a doctor if irritation or a rash appears.

Eyes: Rinse with water; see a doctor if irritation continues.

Ingestion: Rinse the mouth with water. Do not make the person vomit. Call a doctor.

Symptoms: No specific symptoms expected under normal use. Note to physician: treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media: Water spray, foam, dry chemical or carbon dioxide.

Specific hazards: Fine fiber dust can burn; burning gives carbon oxides. Firefighters need self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal and environmental precautions: Wear the protective equipment in Section 8 and avoid raising dust.

Clean-up: Vacuum or sweep up the fibers without raising dust and place them in a container for disposal.

SECTION 7. HANDLING AND STORAGE

Handling: Avoid creating airborne fibers. Wash hands after handling.

Storage: Keep in the closed original container in a dry place.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENT	OSHA PEL	ACGIH TLV
Polyethylene (Ethylene, homopolymer) (9002-88-4)	5 mg/m³ respirable fraction; 15 mg/m³ total dust	TWA 10 mg/m³ inhalable particles; TWA 3 mg/m³ respirable particles (dust, fiber manufacturer SDS)

The information in this SDS is believed accurate as of the revision date and is provided for safe handling, use, storage, transport and disposal. It is not a specification. Technical service: +1 844 506 2682.

Engineering controls: General ventilation is normally adequate outdoors. Use local exhaust in enclosed areas.

Eye and skin protection: Safety glasses with side shields; work gloves and clothing covering the arms.

Respiratory protection: Not normally needed; where dust forms, use a NIOSH-approved dust respirator.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	VALUE
Physical state	Solid (loose fibers)
Color	White
Odor	No significant odor
pH; Initial boiling point; Evaporation rate, vapor pressure, vapor density	Not applicable (solid)
Flash point	Above 392°F (200°C) (fiber manufacturer SDS)
Density	Relative density 0.96 (fiber manufacturer SDS)
Solubility in water	Insoluble
Autoignition / decomposition temperature	Autoignition above 644°F (340°C); pyrolysis above 572°F (300°C) (fiber manufacturer SDS)
Explosive limits	Not determined

SECTION 10. STABILITY AND REACTIVITY

Reactivity and stability: Stable under normal storage conditions. Conditions to avoid: Open flame and high heat.

Incompatible materials: Strong oxidizers and strong acids. Hazardous decomposition: When burned: carbon oxides and other irritating fumes.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely routes of exposure: Inhalation of airborne fibers or dust; skin and eye contact.

Classification: Not classified for any health hazard; the only OSHA hazard is combustible dust (fiber manufacturer SDS).

SECTION 12. ECOLOGICAL INFORMATION

No ecological tests have been run on the product.

SECTION 13. DISPOSAL CONSIDERATIONS

Dispose of fibers and packaging in line with federal, state and local regulations.

SECTION 14. TRANSPORT INFORMATION

DOT (US ground): Not regulated (solid polyethylene fiber, not a DOT hazardous material).

IMDG / IATA: Not regulated.

SECTION 15. REGULATORY INFORMATION

OSHA: Hazardous under 29 CFR 1910.1200 (combustible dust). SARA 311/312 hazard categories: Combustible dust.

SECTION 16. OTHER INFORMATION

Basis: MantaMicro™ 555 is high-density polyethylene fiber repacked from the fiber manufacturer; its data are taken from the fiber manufacturer safety data.

Revision date: 2026-10-26. Prepared by Manta Roofing Products, LLC.

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