

MATERIAL SAFETY DATA SHEET

1 Product Identification

Trade Name: Fleur Ami HM10 Fertilizer
Manufacturer: Planter Technology, Inc.
Address: 30681 Huntwood Ave.
Hayward, CA 94544
Business Phone: 800-542-2282

HM10 Fleur Ami Ion Exchange Resin
Preparation Date: 5/7/99
Supersedes Date: 12/10/91

Emergency Phone: Infotrac 800-535-5053

2 Hazardous Ingredients

Crosslinked Polystyrene Pellets - No Hazardous Material

3 Health Hazards

Method of Entry: Accidental eye contact and skin contact

Health Effects from Exposure:

Slight to moderate eye irritation is expected. No skin irritation.

Environmental Risk:

Being non volatile and insoluble there is no risk to the air and water compartment. Material expected stable in the ground. No biological degradation observed.

Toxicity Data: 1. Acute Oral, LD₅₀ (rat) >5000mg/kg

Acute Dermal, LD₅₀ (rabbit) not applicable

Acute Vapor Inhalation, not applicable (rat LC₅₀ 4 hours 23°C)

Eye Irritation, (rabbit) irritant by mechanical action, and also by chemical action

Skin Irritation, (rabbit) not irritant

Ingestion, no hazards anticipated if material has not exchanged hazardous substances

Ecotoxicological Information:

No biodegradation observed. Low ecotoxicity because not soluble in water. WGK: 1

4 First Aid

Inhalation: If particles are inhaled, consult a physician.

Skin: Wash affected area with soap and water. Seek medical attention if irritation persists.

Eyes: Flush immediately with large amounts of water, at least 15 minutes, lifting upper and lower eyelids. Seek medical attention if irritation persists.

Ingestion: Never give anything by mouth to an unconscious person. Immediately drink 1 or 2 glasses of water to dilute.

5 Physical and Chemical Properties

Freezing & Boiling Point: not applicable **Moisture Content:** 44-58%

Specific Gravity: 1.08+1.29

Autoignition Temperature: >500°C

Solubility in Water (g/cc): Virtually insoluble

Appearance and Odor: Spherical beads, beige/light brown color, slight amine odor.

6 Fire and Explosion

Extinguishing media: Foam, carbon dioxide, dry chemical

Combustion Products: Combustion products may include monomers, residual organics, carbon oxides + amines, nitrogen oxides and sulfur oxides. See Section 7.

Fire Fighting Procedures: Wear self-contained breathing apparatus and full protective gear.

7 Stability and Reactivity Data

Stability: Stable under normal conditions of use. Anion exchangers may give off vapors of amines at >50°C.

Incompatibility: Avoid contact with nitric acid and strong oxidizers. Risk of explosion.

Decomposition Products: Combustion products may include monomers, residual organics, carbon oxides + amines, nitrogen oxides, or sulfur oxide. Dried resins start to burn at 230°C.

8 Accidental Release

Personal Protection: Floor may be slippery, take care to avoid falls.

Method for Clean-up: Sweep-up and transfer to containers for recovery or disposal, as in Section 11.

9 Handling and Storage

Storage: Store between 0°C and 50°C. Avoid freezing. Avoid dehydration (when rewetted the resin volume may increase and cause a rupture of the packaging.)

Handling: Static discharges may accumulate on dry beads.

10 Exposure Control/Personal Protection

Exposure Control: Normal ventilation is sufficient to control exposure.

Personal Protection: Respiratory protection is not required for normal operation. Protective gloves are recommended. Eye protection (safety glasses) are recommended as well as an eyewash facility.

11 Disposal

Waste Disposal: The material as supplied is not classified as hazardous waste and can be disposed of by landfill or usual methods for plastics according to local state and national regulations. Controlled incineration is possible (See Section 7)

12 Transportation Data

Name: See Section 1

Code: See Section 1

Transport: Not classified

Contents: Ion Exchange Resins

Disclaimer:

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