

Material Safety Data Sheet – MSDS

Product Name: Enviro-Tak[®]
Revision Date: March 2012

1. Product Identification

Product	Modified Organic Polymer Tackifier
Trade Name	Enviro-Tak [®]
Chemical family	Polysaccharide
CAS#	Proprietary
ACGIH TLV	Not Established
OSHA	Not Established
HMIS Rating:	Flammability 1
	Personal Protection E
	Health 1
	Reactivity 0

2. Hazardous Ingredients

Polysaccharide type dust granules are considered a Nuisance Dust and should be controlled as described in Section 8 herein. Not listed as carcinogen or potential; no National Toxicology Program, IARC or OSHA involvement currently recorded.

3. Physical Properties

Boiling Point (F)	Not Applicable
Vapor Pressure (mm Hg)	Not Applicable
Vapor Density	Not Applicable
Solubility in Water	Soluble
Bulk Density	Not Applicable
Reactivity in Water	Not reactive
Melting Point	Decomposes
Appearance & Odor	Powder, off-white/yellow in color, no discernible odor

4. Fire & Explosion Data

Flash Point	>550F
Flammability Limits:	
LEL	Approximately 0.04 oz/cf
UEL	Not determined
Extinguishing Media	Water
Special Fire Fighting Procedures	Wear self-contained breathing apparatus to avoid smoke
Unusual Fire & Explosion Hazards	Powder has the potential to form explosive mixture with air when used in confined spaces

5. Reactivity

Stability	Stable
Conditions to Avoid	Keep away from ignition sources and strong oxidizers
Hazardous Decomposition	May produce carbon monoxide, carbon dioxide and nitrogen oxides
Hazardous Polymerization	Will not occur

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6. Health Hazards

**Material is primarily a Nuisance Dust
Overexposure**

May cause irritation to eye & respiratory system. Repeated exposure may cause allergic sensitization. Avoid breathing dust.

Inhalation

Can cause irritation to mucous membrane & upper respiratory system. Remove to fresh air

Ingestion

May cause vomiting or diarrhea

Eyes

In case of eye contact flush with copious amount of water

Skin

Wear gloves. Wash dust with soap & water

7. Special Precautions Spill/Leak Procedures

Spill

Sweep up excess material. Slippery when wet

Disposal

In accordance with Federal, State & local refuse regulations

8. Special Protection Control Measures

Respiratory Protection

Use NIOSH approved respiratory mask

Eye Protection

Use goggles or eye glasses

Hand Protection

If sensitive, wear gloves

Other Protective Clothing

None

Ventilation

Normal & ventilation

Work/Hygiene

Practices standard hygiene

9. Aquatic Toxicity – Non-toxic

Fish:

LC50/Danio rerio/96hr > 1000mg/L

Daphnia:

LC50/Daphnia magna/48hr > 1000mg/L

Algae:

LC50/Scenedesmus subspicatus/72hr > 1000mg/L

10. Regulatory Information

RCRA Status:

Not a hazardous waste

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Specifications

Product Name:	Enviro-Tak®
Revision Date:	March 2012
Manufacture Facility:	Wellsville, KS

Product Identification

Enviro-Tak is a modified organic polymer tackifier manufactured in the USA and designed for use as a hydraulically applied erosion control tackifier to provide superior bonding of fiber, seed, and soil particles. Enviro-Tak disperses in water to develop optimal slurry viscosity for improved spray ability and application.

Mixing

With Hydro Seeder Tank approximately one-third full of water and agitation operational, add Enviro-Tak. After Enviro-Tak is thoroughly mixed; add seed, hydraulic mulch, and fertilizer. Mix Enviro-Tak with hydraulic mulch fiber at rate of 3% (by weight).

Application Rate Guidelines

Hydraulic Mulch Binding	4:1 to 3:1 SLOPE	30 LBS PER ACRE
	≥ 2:1 SLOPE	60 LBS PER ACRE

Soil Stabilization 40 to 60 LBS PER ACRE (mixed with approximately 1000 Gallons water and 150 LBS hydraulic mulch fiber as a marker).

Straw / Hay Mulch Binding 50 LBS in 1000 Gallons Water per Acre (recommend adding 150 LBS of hydraulic mulch fiber as a marker)

Equipment

Enviro-Tak is mixed and applied with a standard hydro seeding machine. Follow equipment manufacturer's loading and mixing guidelines.

Product Composition / Property Values

Organic Material 100%

Packaging

50 Pound Bag	40 Bags per Pallet
4 Ten Pound Bags / Case	48 Cases per Pallet

Technical Assistance

For additional technical information contact our Technical Department: (800) 654-6117.