

#5A

Safety Data Sheet – SDS

Product Type:	Cellulose SMA Fibers
Revision Date:	May 2015

1. Identification and Product Identification

Product Name:	Cellulose SMA Fibers
Company Name:	Hi-Tech Asphalt Solutions, Inc. 5113 Pole Green Road Mechanicsville, VA 23116
Emergency Contact:	(804) 779-4871
Recommended Use:	Stabilizing additive
Restrictions:	None known

2. Hazardous Identification

WARNING! MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR (DURING PROCESSING). CAUSES EYE IRRITATION (AT HIGH CONCENTRATIONS).

PRECAUTIONS: Wear protective gloves / protective clothing / eye protection / face protection. Avoid generating dust. Keep away from heat, sparks, open flames, and hot surfaces. No Smoking.

HAZARD SYMBOL: None

3. Composition, Information on Ingredients

CAS NUMBER	NAME	PERCENT
9004-34-6	Cellulose Fiber	88-100%
Trade Secret	Processing Aid	0-7%
Trade Secret	Flame Suppressant	0-1.4%

Processing aid & flame retardant are considered to be a trade secret and are not considered to be hazardous chemicals.

4. First-Aid Measures

Inhalation:	Avoid breathing dust. Remove to fresh air. No acute hazard known.
Eye contact:	Flush eyes with copious amount of water. No acute hazard known.
Skin contact:	Wash exposed skin with soap and water. No acute hazard known.
Ingestion:	Call poison control. Do not induce vomiting. No acute hazard known.

5. Fire-Fighting Measures

Explosion:	Fine dust dispersed in air, in sufficient concentration & in the presence of an ignition source is a potential explosion hazard. Avoid generating dust.
Extinguish media:	Water spray, CO ₂ .

6. Accidental Release Measures

Dust:	Remove with explosion-proof vacuum. Avoid generating dust.
Spill:	Sweep up excess material while avoiding generating dust.
Disposal:	In accordance with Federal, State and local refuse regulations

7. Handling and Storage

Avoid dust formation and accumulation with routine housekeeping. Avoid use around or near ignition sources. Store in a dry location, avoid moisture.

Safety Data Sheet – SDS

Product Type: Cellulose SMA Fibers
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8. Exposure Controls / Personal Protection

Component	ACGIH TLV	OSHA PEL
Cellulose	TLV-TWA 10mg/m ³ Total	PEL-TWA 15mg/m ³ Total PEL-TWA 5mg/m ³ Respirable
Processing Aid	TLV-TWA 10mg/m ³ Total	PEL-TWA 15mg/m ³ Total PEL-TWA 5mg/m ³ Respirable
Flame Suppressant	TLV-TWA 3mg/m ³ Total	PEL-TWA 15mg/m ³ Total PEL-TWA 5mg/m ³ Respirable

Respiratory Protection: Use NIOSH approved respiratory masks
Eye Protection: Use goggles or eye glasses
Hand Protection: If sensitive, wear gloves
Other Protective Clothing: None
Ventilation: Use localized exhaust ventilation
Work/Hygiene: Practices standard hygiene

Use in a processing environment designed to contain combustible dusts, which is free of ignition sources and has an explosion and fire suppression system.

9. Physical and Chemical Properties

Flash Point: >550°F
Boiling Point (F): Not Applicable
Vapor Pressure (mm Hg): Not Applicable
Vapor Density: Not Applicable
Solubility in Water: Insoluble, Dispersible
Bulk Density (packaged product): 2-3lb/ft³
Reactivity in Water: Dispersible
Melting Point: Not Applicable
Appearance & Odor: Finely divided material, gray, tan or white in color. No discernible odor.
LEL/UEL: No data available.

10. Stability & Reactivity

Stability: Stable
Conditions to Avoid: Avoid extreme heat and flame
Hazardous Decomposition: May produce carbon monoxide and carbon dioxide
Hazardous Polymerization: Will not occur

11. Toxicological Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhale (dust)
Cellulose	Non-toxic	Non-toxic	=5800 mg/m ³ 4hr Rat
Processing Aid	6450 mg/kg Rat	No data available	No data available
Flame Suppressant	3479 mg/kg Rat	>2000 mg/kg Rabbit	>5.8mg/L Rat

* Components not listed are not hazardous substances.

May cause irritation to eye and respiratory system. Persons with respiratory problems should avoid breathing dust. Can cause irritation to mucous membrane and upper respiratory system. Remove to fresh air.

Safety Data Sheet – SDS

Product Type:	Cellulose SMA Fibers
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12. Ecological Information

Cellulose fiber slowly biodegrades in water, is not eco-toxic and persists in arid soils (landfills). No data is available on the ecological effects of the Processing Aid and Flame Suppressant. They are not believed to be eco-toxic at concentrations found in this product.

13. Disposal Considerations

No special requirements. Dispose of in accordance with federal, state, and local regulations. None of the components in this product are listed as a dangerous waste RCRA 40CFR261.

14. Transportation Information

Not regulated as a hazardous material for transport.

15. Regulatory Information

EU Classification:	9004-34-6 is classified as non-hazardous.
WHMIS:	Not considered a controlled product or not listed.
TSCA:	All ingredients of this product are either listed on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30. California Proposition 65. PA, MA, NJ not listed or regulated.
State Right-to-Know: SARA 313 Information:	This product does not contain any chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels established by SARA Title III, section 313 and 40 CFR section 372.
CERCLA:	This product does not contain ingredients which are subject to the reporting requirements of CERCLA.
DSL:	Cellulose is on the Domestic Substance List.
OSHA:	Cellulose dust is a regulated hazard under the OSHA Hazard Communication Standard (29 CFR 1910.1200).
REACH:	Cellulose is exempt from registration under the European REACH regulations.
ENCS:	Cellulose is not listed or is exempt from the Japanese Existing and New Chemical Substances List as regulated by the Ministry of International Trade and Industry.

16. Other Information

See NFPA 654 for safe handling of combustible particulate solids.

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