

# MATERIAL SAFETY DATA SHEET

Chemtex, Inc.  
Cellulose-Based Sorbents

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Revision Date: 07/25/05  
MSDS No. 1002

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## Section 1. Chemical Product and Company Identification

Product Number: 1500 Series  
Product Name: Cellulose-Based Sorbent Products

**Manufacturer:**  
NPS Corporation

**Emergency Telephone Numbers:**  
CHEMTREC--Domestic (800)424-9300 24 hours  
--International (202)483-7616 24 hours  
Information (877) 430-0200 8:30am-4:30pm CDT M-F

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## Section 2. Composition/Information on Ingredients

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<u>CAS Registry #</u>	<u>Component</u>	
9004-34-6	Cellulose Fibers	92.40%
9003-07-0	Polypropylene Carrier Sheet (for Rolls and Pads)	7.6%
	Polypropylene Casing (for Cellulose-Based Socks and Pillows to contain the Cellulose-Based particles)	

(NOTE: See Section 8 of this MSDS for Exposure Guidelines)

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## Section 3. Hazards Identification

### Emergency Overview

Odorless, white fabric or fiber. This material presents little or no hazard if spilled. This material readily burns when an ignition source is present.

### **Potential Health Effects**

Eye: Direct contact may cause irritation.

Inhalation: Exposure to dust levels exceeding the PEL (see Section 8) may cause irritation of the upper respiratory system. Breathing dust may aggravate acute or chronic asthma or other chronic pulmonary diseases.

Signs and Symptoms:

- Eyes: Redness, Tearing
  - Inhalation: Dry cough, labored breathing during exertion
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## Section 4. First Aid Measures

Eyes: Immediately flush with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.

Skin: Brush off excess fibers with dry towel. Wash affected area with plenty of soap and water for several minutes. If skin irritation develops or persists, seek medical attention.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

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## Section 5. Fire Fighting Measures

Flash Point: NA

Flammable Limits: Lower Explosive Limit (LEL)--30,000 mg/M<sup>3</sup> Upper Explosive Limit (UEL)-- NA

Auto-ignition Temperature: 450 °F

Extinguishing Media: Water spray, ABC dry chemical, foam, or carbon dioxide. Use water fog or spray to cool exposed equipment and containers.

Special Fire Fighting Procedures: For large fires or fires in confined areas, full emergency equipment with self-contained breathing apparatus and full protective clothing should be used. Thermal decomposition of this product produces carbon monoxide and carbon dioxide gases.

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## Section 6. Accidental Release Measures

Unused material can be shoveled, swept, or vacuumed and recycled for use. Avoid generating airborne dust.

If used material is released or spilled, see Section 13.

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## Section 7. Handling and Storage

Store at room temperature in a dry area. When handling, avoid the generation of airborne dust.

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## Section 8. Exposure Controls/Personal Protection

Exposure Limits: Cellulose Dust as defined in 29 CFR 1910.1000 (OSHA).

OSHA PEL: Total Dust is 15 mg/M<sup>3</sup>.

Respirable Fraction is 5mg/M<sup>3</sup>.

ACGIH TLV is 10 mg/M<sup>3</sup>.

The end-user must determine the specific types of personal protective equipment needed according to 29 CFR 1910.132—Personal Protective Equipment (PPE) for General Industry. The following are only suggestions:

- Eyes: Safety glasses or goggles
- Skin: Work gloves

Adequate ventilation should be provided to limit the amount of airborne dust.

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## Section 9. Physical and Chemical Properties

Appearance: White fabric or fiber

Odor: Odorless

Boiling Point: NA

Vapor Pressure (mmHg): NA

Vapor Density: NA

Solubility in Water: Insoluble

Specific Gravity (H<sub>2</sub>O=1): 0.56

Melting Point: NA

pH: NA

Evaporation Rate (Butyl Acetate=1): NA

% Vaporizable by volume (H<sub>2</sub>O=100): NA

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## Section 10. Stability and Reactivity

Stable: Yes

Conditions to Avoid: Exposure to open flame or sparks

Incompatibility (Materials to Avoid): Acid, caustics, and strong oxidizers

Hazardous Decomposition or Byproducts: Thermal decomposition produces carbon monoxide and carbon dioxide.

Hazardous Polymerization: Will not occur

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## Section 11. Toxicological Information

This product is not listed by NTP or IARC. See Section 15.

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## Section 12. Ecological Information

No data available. See Section 15.

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## Section 13. Disposal Considerations

This product in itself is considered to be non-hazardous as defined by RCRA (40 CFR 261). Once used, this product will take on the characteristics of the chemical sorbed and should be disposed of accordingly.

Disposal of this product (used or unused) must be in compliance with all local, state, and federal regulations.

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## Section 14. Transport Information

This product is not a DOT Hazardous Material and is not regulated for all shipping purposes.

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## Section 15. Regulatory Information

This product does not meet the definition of a hazardous chemical given in 29 CFR 1910.1200 (OSHA).

TSCA Inventory Status: All components are listed on the TSCA list.

SARA Title III

Section 302 Extreme Hazardous Substance List: Not listed

Section 311/312 Hazard Classification:

Immediate (acute): No

Delayed (chronic): No

Fire: No

Sudden Release of Pressure: No

Reactive: No

Section 313 Toxic Chemicals: Not listed

USEPA CERCLA—Reportable Quantity (RQ): Not listed

RCRA Hazardous Waste: Not listed

State/Int'l Right-to-Know Regulations: Not listed

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## Section 16. Other Information

Abbreviations:

CFR: Code of Federal Regulations

OSHA: Occupational Safety and Health Administration

MSDS: Material Safety Data Sheet

PEL: Permissible Exposure Limit

NA: Not Applicable

ACGIH: American Conference of Governmental Industrial Hygienists

TLV: Threshold Limit Value

NTP: National Toxicology Program

IARC: International Agency for Research on Cancer

RCRA: Resource Conservation and Recovery Act

TSCA: Toxic Substances Control Act

SARA: Superfund Amendments and Reauthorization Act

USEPA: United States Environmental Protection Agency

CERCLA: Comprehensive Response, Compensation, and Liability Act

DOT: Department of Transportation

NFPA: National Fire Protection Association

HMIS: Hazardous Material Information System

**MATERIAL SAFETY DATA SHEET**

NFPA Ratings:

Health: 0

Fire: 1

Reactivity: 0

Special Hazard: None

HMIS Ratings:

Health: 0

Flammability: 1

Reactivity: 0

Personal Protection: