



Gusmer Enterprises, Inc.®

Issue Date: 05/11/15
Version: 1.0

SAFETY DATA SHEET FORM

Product Identifier:

SpillMat

Section 5 - FIREFIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media: Water or other extinguishing agents appropriate for fighting surrounding fires.

5.2 Special hazards arising from the substance or mixture

Products of combustion include carbon monoxide, carbon dioxide and fine particulate in the form of smoke.

5.3 Advice for firefighters

As in any fire, wear NIOSH-approved self contained breathing apparatus and appropriate protective clothing.

Product as supplied and shipped is highly unlikely to release sufficient cellulose dust to constitute a combustible dust explosion hazard. Depending on airborne concentration, moisture content, particle diameter, surface area and exposure to an ignition source, airborne cellulose dust may ignite and burn with explosive force in a contained area. Cellulose dust may similarly deflagrate (combustion without detonation like a supersonic explosion) if ignited in an open or loosely contained area. Cellulose dust explosibility: (*K_{st} dry = >200 and <300 bar m/s). Caution should be taken in the processing, shipping, handling and use of these materials, particularly if they are in a dry state and dust is produced. Reference NFPA standards 654, 69 and the NFPA Fire Protection Handbook for guidance.

*K_{st}, the maximum rate of pressure rise is used to calculate the *K_{st} value; an internationally recognized index used to classify dust explosibility.

Section 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Sweep or vacuum up for recovery and disposal. Avoid creating dusty conditions whenever feasible. Maintain good housekeeping to avoid accumulation of cellulose dust on exposed surfaces. Use NIOSH approved filtering face piece respirator ("dust mask") and goggles where ventilation is not possible and exposure limits may be exceeded or for additional worker comfort.

Other precautions: Minimize compressed air blowdown or other practices that generate high dust levels.

6.2 Environmental precautions

None, discharge in accordance with federal, state and local laws.

6.3 Methods and materials for containment and cleaning up

If large amounts of dust are generated, collect with vacuum or suppress with water spray and sweep up.

See Section 8 for appropriate personal protective equipment.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Avoid generating excessive dust. If dust levels are suspected to be over PEL, wear a NIOSH approved N95 or greater respirator. Protect from excessive moisture. Maintain good housekeeping practices. See Section 8 for more information

7.2 Conditions for safe storage, including any incompatibilities

Store in cool, dry place away from open flame and other sources of ignition.

See Section 8 for OSHA permissible exposure limit(s)

Section 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

	OSHA PEL ¹	ACGIH ²	NIOSH REL ³
Cellulose (C₆H₁₀O₅)_n	PEL-TWA 15 mg/m ³ Total Dust (PNOR) ¹	TLV-TWA 10 mg/m ³ Total Dust	REL-TWA 10 mg/m ³ Total Dust
	PEL-TWA 5 mg/m ³ Respirable Dust (PNOR) ¹	Not Established	REL-TWA 5 mg/m ³ Respirable Dust

Notes: 1. OSHA particulate not otherwise regulated (PNOR)

8.2 Exposure controls

Normal Handling Conditions

Engineering Controls: If necessary use ventilation system to keep airborne dust concentration below permissible exposure limits. Ventilation to control dust should be considered where potential explosive concentrations and ignition sources are present. The design and operation of any exhaust system should consider the possibility of explosive concentrations of cellulose dust within the system.


Ensure that exhaust ventilation and material transport systems involved in handling this product contain explosion relief vents or suppression systems designed and operated in accordance with applicable standards if the operating conditions justify their use.

Respiratory Protection: If dust levels are suspected to be over PEL, wear a NIOSH approved N95 or greater respirator.

Eye Protection: ANSI Z87+ approved dust goggles or safety glasses, if necessary, to avoid eye irritation.

Skin Protection: Cover skin with clothing and/or gloves if skin dryness or irritation occurs.

General Hygiene: Maintain good housekeeping practices, wash hands after handling, avoid direct eye contact. Clean up areas where cellulose dust settles to avoid excessive accumulation of this combustible material. Minimize compressed air blowdown or other practices that generate high airborne-dust concentrations.

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Section 9 - PHYSICAL and CHEMICAL PROPERTIES				
9.1 Information on basic physical and chemical properties Physical State: Solid Color: White to buff colored filter sheet Odor: Generally Odorless Odor Threshold: None pH: No Data Available Melting / Freezing Point (Specify): No Data Available Initial Boiling Point & Boiling Range: No Data Available Flash Point: No Data Available Evaporation Rate: No Data Available Flammability (solid, gas): upper: No Data Available lower: No Data Available Explosive Limits: LEL: No Data Available UEL: No Data Available Kst: Cellulose dust >200 and <300 bar m/s Vapor Pressure: No Data Available Vapor Density: No Data Available Relative Density: No Data Available Solubility(ies): No Data Available Partition Coefficient (n-octanol/water): No Data Available Auto-ignition Temperature: No Data Available Decomposition: No Data Available Oxidizing Properties: No Data Available Viscosity: No Data Available				
Section 10 - STABILITY and REACTIVITY				
10.1 Reactivity No Data Available 10.2 Chemical stability Stable under recommended storage conditions. 10.3 Possibility of hazardous reactions None 10.4 Conditions to avoid Avoid open flame, sparks and other sources of ignition. 10.5 Incompatible materials Avoid open flame, sparks and other sources of ignition. 10.6 Hazardous decomposition products Combustion products include carbon monoxide, carbon dioxide and fine particulate in the form of smoke.				
Section 11 - TOXICOLOGY INFORMATION				
11.1 Information on toxicological effects Toxicology Data: The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition.				
Acute Toxicity:	Toxicity Test	Exposure Route	Dose	Observed Effect
<i>Cellulose</i>	LC ₅₀ (rat)	Inhalation	5,800 mg/m ³	Not Available
	LD ₅₀ (rat)	Oral	> 5,000 mg/kg	Not Available
	LD ₅₀ (rabbit)	Dermal	> 2,000 mg/kg	Not Available
Skin Corrosion/Irritation:	No Data Available			
Serious Eye Damage/Eye Irritation:	No Data Available			
Respiratory or Skin Sensitization:	No Data Available			
STOT - Single Exposure:	No Data Available			
STOT - Repeated Exposure:	No Data Available			
Aspiration Hazard:	No Data Available			
11.2 Further Information				
Mutagenicity:	No Data Available			
Productive Toxicity:	No Data Available			
Carcinogenicity:	Cellulose is not classified as a carcinogen by OSHA, NTP, or IARC in their reviews.			
IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.			
ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.			
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.			
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.			

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Section 12 - ECOLOGICAL INFORMATION		
12.1 Toxicity No Data Available 12.2 Persistence and degradability Cellulose fiber slowly biodegrades in water (half life range 1 month - 1 year in freshwater and coastal seawater.) 12.3 Bioaccumulative potential Not expected to bioaccumulate. 12.4 Mobility in soil Cellulose fiber persists in arid soil (landfills). 12.5 Other adverse effects No Data Available		
Section 13 - DISPOSAL CONSIDERATIONS		
Substance: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.		
Section 14 - TRANSPORTATION INFORMATION		
UN Number: Not Applicable Class: Not Applicable Proper Shipping Name: Not Applicable Packing Group: Not Applicable Marine Pollutant: Not Applicable Other Applicable Information: Not Applicable		
Section 15 - REGULATORY INFORMATION		
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313. SARA 311/312: No SARA Hazards California Prop. 65 Components: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.		
Section 16 - OTHER INFORMATION		
Product Number(s): SpillMat Prepared By: Gusmer Enterprises, Inc. Name of Preparer: Eric Anderson Title: Safety, Compliance & GMP Manager Date: 5/11/2015		
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GHS Hazard Warning Label		
No Hazard Warning Label Required: Not considered a hazardous material when used in its normal state and use.		