

MATERIAL SAFETY DATA SHEET

DATE:12/01/2004

PHOENIX PAPER PRODUCTS  
R.R. 1  
LOSTANT, IL 61334

PRODUCT NAME Cellulose Hydroseeding Mulch

SECTION I

MANUFACTURER'S NAME Phoenix Paper Products  
ADDRESS Rt. 251, Lostant, IL 61334  
EMERGENCY NUMBER (815)368-3343  
CHEMICAL NAME AND SYNONYMS: Cellulose Fiber

SECTION II INGREDIENTS

PRINCIPAL HAZARDOUS COMPONENT(S)	%	TLV UNITS
Cellulose Fiber	> 99	None established
Biodegradable green dye	< .1	None established
Surfactant and defoamer	< .1	None established

SECTION III PHYSICAL DATA

BOILING POINT (0F)	N/A	SPECIFIC GRAVITY (H2O-1)	N/A
VAPOR PRESSURE (mmHg)	N/A	PERCENT VOLATILE BY VOLUME(%)	N/A
VAPOR DENSITY (AIR-1)	N/A	pH	N/A
SOLUBILITY IN WATER	<.1%	BULK DENSITY (APPROXIMATE)	5-15# s/ft <sup>3</sup>
APPEARANCE AND ODOR	Green fibrous material with no odor		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used) 500<sup>0</sup>F (open cup)  
FLAMMABLE LIMITS N/A Lel Vel  
EXTINGUISHING MEDIA Standard ABC Fire Extinguisher  
SPECIAL FIRE FIGHTING PROCEDURES A self contained breathing apparatus should be worn  
UNUSUAL FIRE AND EXPLOSION HAZARDS May enhance flammability of petroleum based products in an open flame.  
Avoid strong oxidizers.

SECTION IV CONTINUED

NFPA HAZARD CLASS

Health Hazard: 0 Flammability: 1 Reactivity: 0 Other: N/A

HAZARD RANKING

Least: 0	Health Hazard: 1
Slight: 1	Flammability: 1
Moderate: 2	Reactivity: 1
High: 3	Other: 0
Extreme: 4	

SECTION V HEALTH HAZARD DATA

OSHA Permissible Exposure Limit (PEL)N/A A.C.G.I.H. Threshold Limit Valve (TLV) N/A  
OSHA Health Hazard Classification None  
None of the components are listed by IARC, NTP, OSHA OR ACGIH as a carcinogen.  
Symptoms of overexposure: Acute: At high concentration, irritation of eyes, skin and mucous membranes may occur.  
Chronic: None  
Toxic Data: None known  
Dust levels: PEL 15mg/m<sup>3</sup>-Total, 5mg/m<sup>3</sup> respirable  
TLV 10mg/m<sup>3</sup>-Total, 5mg/m<sup>3</sup> respirable

First Aid:

In eyes: Immediately flush with water for 15 minutes lifting eyelid to thoroughly flush. Contact physician if irritation persists.

On skin: Immediately flush with water.

If inhaled: Move to fresh air location. If irritation or discomfort persists, seek medical attention.

If swallowed: No known effects.

SECTION VI REACTIVITY DATA

STABILITY	STABLE X	CONDITIONS TO AVOID	Open flame	
	UNSTABLE			Store in dry areas

HAZARDOUS DECOMPOSITION PRODUCTS None, unless heated over 500<sup>0</sup> F where incomplete burning can produce carbon monoxide and other harmful products.

HAZARDOUS POLYMERIZATION	MAY OCCUR	
	NO	X

SECTION VII SPILL OR LEAK PROCEDURES

REPORTABLE QUANTITIES (RQ):NOTIFY EPA OF PRODUCT SPILLS IN LBS. OF EPA HAZARDOUS EQUAL TO OR EXCEEDING N/A lbs.

SUBSTANCES IN PRODUCT 1. \_\_\_\_\_N/A\_\_\_\_\_

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Steps to be taken in case material is released or spilled:

Small spill: Sweep up and flush down drain, or use.

Large spill: Reclaim material for use.

WASTE DISPOSAL METHOD

This product is not subject to the 40 CFR Part 268.30 land ban on the disposal of certain hazardous wastes. Comply with local, county, state and federal regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE)

VENTILATION

LOCAL EXHAUST RECOMMENDED	SPECIAL NONE	
MECHANICAL (GENERAL) NONE	OTHER	NONE
PROTECTIVE GLOVES	Recommended	EYE PROTECTION
OTHER PROTECTIVE EQUIPMENT:	None	

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: No special precautions.

OTHER PRECAUTIONS

While this information and recommendation set forth herein are believed to be accurate as of the date hereof, Phoenix Paper Products MAKES NO WARRANTY WITH RESPECT HERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.