



# Material Safety Data Sheet

## GoundControl Hydromulch HY-C1, C2, C3 and C4

### Section I PRODUCT IDENTIFICATION

Manufacturer's Name <b>Mulch &amp; Seed Innovations, LLC</b>		Regular Telephone 256-927-7445
Address 7265 Alabama Highway 9 South, Centre, AL 35960		Emergency Telephone 256-927-8823
Chemical Name and Synonyms <b>CELLULOSE, LIGNIN, HEMICELLULOSE</b>	Cas No. Un. No.	
Trade Name and Synonyms <b>GoundControl Hydromulch Hy(HY-C1 HY-C2 HY-C3 HY-C4 STRAW AND COTTON FIBER (STAPLE OR LINT, LINTERS, AND GIN BY-PRODUCT FIBERS)</b>		
Chemical Family <b>CELLULOSE</b>	Formula	<b>NATURAL POLYMER OF CELLULOSE</b>
Shipping Name: DOT: <b>NOT RESTRICTED ARTICLE</b>	IATA:	<b>NOT RESTRICTED ARTICLE</b>
Date Prepared: 7/9/2010		

### Section II HAZARDOUS INGREDIENTS

Material or Component	Cas No. Un No.	%	Hazard Data
Green Dye	18015-76-4	< 1%	
Proprietary Blend - Trade Secret		< or =10%	Eye Irritant

### Section III PHYSICAL DATA

Boiling Point, 760 mm Hg	<b>NOT APPLICABLE</b>	Melting Point	<b>260 - 270° C</b>
Specific Gravity (H <sub>2</sub> O=1)	<b>1.27 - 1.61</b>	Vapor Pressure (mm Hg at °c)	<b>NOT APPLICABLE</b>
Vapor Density (air=1)	<b>NOT APPLICABLE</b>	Solubility in H <sub>2</sub> O, % by wt.	<b>INSOLUBLE</b>
% Volatiles by Vol.	<b>APPROXIMATELY 4% to 9% MOISTURE</b>	Evaporation Rate ( =1)	<b>NOT APPLICABLE</b>
Appearance and Odor	<b>DARK GREEN/FIBROUS, WITH ODOR OF STRAW</b>	pH (as is)	<b>5-7</b>
		pH at	

### Section IV FIRE AND EXPLOSION DATA

Flash Point	<b>NOT APPLICABLE</b>	Auto Ignition	Temperature	<b>*550 °F</b>	Flammable Limits	Higher	Not
(Test method)		Temperature			in Air, % by Vol.	Lower	<b>APPLICABLE</b>
Extinguishing Media	<b>WATER, STEAM, FOAM, DRY CHEMICALS, OR NON OXIDIZING GASES SUCH AS CARBON DIOXIDE OR NITROGEN</b>						
Special Fire Fighting Procedures	<b>NONE</b>						
Unusual Fire and Explosion Hazard	<b>NONE</b>						

\* THERMOGRAVIMETRIC ANALYZER

### Section V HEALTH HAZARD INFORMATION

Health Hazard Data	Hazard Classification	Basis for Classification	Source
<u>Routes of Exposure</u>			
Inhalation	<b>NONE</b>	<b>COTTON EXEMPTED BY CFR 1910.1043 (a) (2)</b>	<b>CFR 1910.1043 CFR 1910.1000 TABLE 21</b>
Skin Contact	<b>NONE</b>		
Skin Absorption	<b>NONE</b>		
Eye Contact	<b>NONE</b>		
Ingestion	<b>NONE</b>		
<u>Effects of Overexposure</u>			
Acute Overexposure	<b>POSSIBLE ACUTE CHEST TIGHTNESS AND COUGH TO THOSE PERSONS REACTIVE TO COTTON DUST. NO CHRONIC HAZARD SHOWN. ALLERGIES AND DERMATITIS MAY BE AGGRAVATED BY EXPOSURE.</b>		
Chronic Overexposure	<b>GENERALLY AGGRAVATED BY EXPOSURE. PRE-EXISTING CHRONIC LUNG DISEASE MAY BE AGGRAVATED BY EXPOSURE TO DUST.</b>		
<u>Emergency and First Aid Procedures</u>			
Eyes	<b>FLUSH EYES WITH WATER. CONTACT PHYSICIAN IF ALLERGIC REACTIONS OCCUR WITHIN 0-2 HOURS</b>		
Skin	<b>USE WATER TO CLEANSE. CONTACT PHYSICIAN IF ALLERGIC REACTIONS OCCUR WITHIN 0-2 HOURS</b>		
Inhalation	<b>REACTIVE PERSON SHOULD BE MOVED TO NON-DUST WORK AREA.</b>		
Ingestion	<b>NONE</b>		

**Section VI REACTIVITY DATA**

Conditions Contributing to Instability

HIGH TEMPERATURE (ABOVE 350 °F)  
IN AIR SLOWLY DEGRADES FIBER

Incompatibility (Materials to Avoid)

STRONG MINERAL ACIDS; STRONG OXIDIZING MEDIA

Hazardous Decomposition Products

IF BURNED WITH INSUFFICIENT OXYGEN, CARBON MONOXIDE IS GENERATED AS A  
PRODUCT OF COMBUSTION

Conditions Contributing to Hazardous Polymerization

NONE

**Section VII SPILL OR LEAK PROCEDURES**

Steps to be Taken if Material is Released or Spilled

USUAL HOUSEKEEPING PROCEDURES; SWEEP, BAG OR BALE LOOSE OR WASTE FIBERS  
SPILLED MATERIAL BECOMES VERY SLIPPERY WITH WATER CONTACT, EXERCISE CAUTION

Neutralizing Chemicals

NOT APPLICABLE

Waste Disposal Method of Spill or Leak

SOLID WASTE DISPOSAL: COMPOST OR INCINERATE

**Section VIII SPECIAL PROTECTION INFORMATION**

Ventilation Requirements

NONE

Specific Personal Protective Equipment

Respiratory (Specify in detail)

DUST MASK APPROVED FOR NUISANCE DUST

Eye

NONE

Gloves

NONE

Other Clothing and Equipment

USE GOOD WORK PRACTICES. WASH HANDS AFTER HANDLING.

**Section IX SPECIAL PRECAUTIONS**

Labeling Information and Warnings

NONE (NOT RESTRICTED ARTICLE)

Data for Hazards Information Label

Hazard Code Flammability

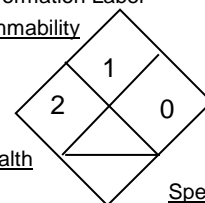
4= Extreme

3= High

2= Moderate

1= Slight

0= Insignificant

ReactivityHealthSpecial

Other Handling and Storage Requirements

TO AVOID MICROBIOLOGICAL DAMAGE TO FIBER, AVOID PROLONGED STORAGE IN DAMP OR WET  
CONDITION**Section X DISPOSAL**

Waste Disposal Method

SOLID WASTE DISPOSAL  
COMPOST, OR INCINERATE

Aquatic Toxicity (e.g., 96 hr TLM):

NOT APPLICABLE

**Section XI GOVERNMENT REGULATIONS**Reference to ApplicableGovernment Regulations

Federal

CFR 1910.1043

CFR 1910.1000

TABLE Z-1

Regulation Highlights

COTTON FIBER IS EXEMPTED BY CFR 1910.1043 (A) (2)