

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Identifier

Product form: Green dyed cellulose biodegradable fibers, minerals and a proprietary binder

Substance name: **Mulch & Grow Hybrid 70/30 Cellulose Mulch**
70% DLK and 30% cellulose formula

CAS No.: N/A

Formula: recycled newsprint, unbleached pulp,

Synonyms: cellulose mulch, blended cellulose mulch, hydroseed mulch

Intended Use of the Product

Use of the substance/mixture: Erosion control mulch for hydraulic seeding

Name, Address, and Telephone of the Responsible Party

Carolina Precision Fibers SPV LLC

145 Factory Street

Ronda, NC 28670

336-527-4140

www.carolinafibers.com

info@carolinafibers.com

Emergency telephone number

Emergency number : 1-866-476-3278

For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call Carolina Fibers– Day or Night

SECTION 2: Hazards Identification

Route of entry	Inhalation, skin contact, eye contact
Inhalation	Fiber particulates may cause sneezing, irritation and dryness of the nose and throat. Dust may aggravate pre-existing respiratory conditions
Skin contact	Cellulose dust can cause irritation. Skin absorption is not likely to occur
Eye contact	Cellulose dust can cause eye irritation
Ingestion	Not likely to occur

OSHA classification:

Cellulose dust is a hazardous substance as defined by the Hazard Communications Standard CFR 1910.1200

SECTION 3: Composition/information on ingredients

Substances

Name	Product	%	GHS-US classification
Mulch – finished packaged	n/a		OSHA PEL-TWA = 15 mg/m ³ total dust (PNOR) OSHA PEL-TWA = 5 mg/m ³ respirable fraction (PNOR)
Recycled DLK fibers	n/a	± 70%	n/a
Recycled newsprint	n/a	± 30%	n/a
Recycled Unbleached pulp (SAP)	65996-61-4	Not more than 4%	OSHA PEL = 15 mg/m ³ ACGIH TLV = 10 mg/m ³

SECTION 4: First aid measures

INHALATION	NOT USUALLY PROBLEMATIC	MOVE TO FRESH AIR. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.
SKIN CONTACT	NOT USUALLY PROBLEMATIC	RINSE THOROUGHLY WITH WATER.
EYE CONTACT	WEAR EYE PROTECTION	OPEN EYELIDS AND FLUSH WITH WATER.
INGESTION	DO NOT INGEST	SEEK MEDICAL ATTENTION.

CARCINOGENICITY	NIP:	NO	IARC MONOGRAPHS:	NO	OSHA REGULATED:	NO
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SECTION 5: Fire Fighting Measures

FLASH POINT (Method Used):	N/A	FLAMMABLE LIMITS:	N/A	LEL	UEL
EXTINGUISHING MEDIA:	Water				
SPECIAL FIRE FIGHTING PROCEDURES:	N/A				
UNUSUAL FIRE AND EXPLOSION:	Normal—Avoid fumes (if any)				
AUTOIGNITION TEMPERATURE:	N/A				

SECTION 6: Accidental release measures

LAND: Shovel, sweep, vacuum product

WATER: Large quantity spill may cause localized contamination of surrounding waters depending on the volume spilled. At very high concentrations may cause damage to localized vegetation, fish and aquatic life. This product is a non-hazardous waste when spilled or disposed of as defined in the Resource Conservation and Recovery Act (RCRA) regulations (40 CFR 261).

Environmental precautions

Prevent entry to sewers and public waters.

Methods and material for containment and cleaning up

Shovel, sweep and/or vacuum materials

SECTION 7: Handling and storage

HANDLING PRECAUTIONS:	MINIMIZE PRACTICES THAT GENERATE HIGH AIRBORNE DUST CONCENTRATIONS
STORAGE REQUIREMENTS:	STORE IN A COOL, DRY PLACE. KEEP AWAY FROM IGNITION SOURCES.

SECTION 8: Exposure controls/personal protection

RESPIRATORY PROTECTION:	A FABRIC RESPIRATOR OR FACEPIECE RESPIRATOR WITH DUST CARTRIDGES WILL GENERALLY PROVIDE ADEQUATE PROTECTION. WHEN APPLICATION METHODS GENERATE DUST AT CONCENTRATIONS HIGHER THAN NORMAL OCCUPATIONAL EXPOSURE, WEAR A NIOSH APPROVED RESPIRATOR.
PROTECTIVE GLOVES:	PLASTIC, RUBBER OR LEATHER GLOVES MAY BE WORN TO MINIMIZE SKIN IRRITATION.
EYE PROTECTION:	WEAR GOGGLES DURING APPLICATION AND OTHER OPERATIONS WHERE THERE IS A RISK OF DUST ENTERING EYES.
FOOTWEAR:	WEAR APPROPRIATE FOOTWEAR AS PRODUCT IS SLIPPERY WHEN WET.
VENTILATION:	PRODUCT GENERALLY APPLIED OUTDOORS, NONE REQUIRED. USE DUST COLLECTION SYSTEM FOR INDOOR HANDLING OPERATIONS.
FLASH POINT (Method Used):	N/A
FLAMMABLE LIMITS:	N/A
LEL	
UEL	

EXTINGUISHING MEDIA:	Water
SPECIAL FIRE FIGHTING PROCEDURES:	N/A
UNUSUAL FIRE AND EXPLOSION:	Normal—Avoid fumes (if any)
AUTOIGNITION TEMPERATURE:	N/A

Personal protective equipment : Fireproof clothing. Insufficient ventilation: wear respiratory protection. Protective goggles. Gloves.



Hand protection : Wear chemically resistant protective gloves.
 Eye protection : Chemical goggles or safety glasses.
 Skin and body protection : Wear fireproof clothing.
 Respiratory protection : If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.
 Thermal hazard protection : Wear suitable protective clothing.
 Other information : When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

BOILING POINT:	N/A	SPECIFIC GRAVITY (H ₂ O = 1):	0.6444
VAPOR PRESSURE (mmHg):	N/A	MELTING POINT:	N/A
VAPOR DENSITY (Air-1):	N/A	EVAPORATION RATE: (Butyl Acetate = 1)	N/A

SOLUBILITY IN WATER: Slight to insoluble
 APPEARANCE AND ODOR: Dark green with no odor

Other information

No additional information available

SECTION 10: Stability and reactivity

STABILITY:	STABLE
MATERIALS TO AVOID:	STRONG ACIDS, OXIDIZERS, REDUCERS
HAZARDOUS DECOMPOSITION:	WILL NOT OCCUR
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR

SECTION 11: Toxicological information

Inhalation	Frequent and repeated exposure to cellulose wood dust can be associated with an increased risk of developing nasal cancer
Skin contact	Even though it is rare, anecdotal data may suggest that prolonged exposure to wood cellulose dust may cause dermatitis in sensitized people
Irritancy	Cellulose dust could be a mild irritant
Sensitization	Some cellulose dusts may cause allergic skin reactions

SECTION 12: Ecological information

None available

SECTION 13: Disposal considerations

Normally disposed of as wood residue

Ensure disposal is in compliance with local, state and federal regulations

SECTION 14: Transport information

DOT class: not regulated

SECTION 15: Regulatory information

FDA	n/a	
USDA	USDA self-certification (9 CFR 317.20) is FDA approved	
TSCA	n/a	
DOT	Proper shipping name	Cellulose wood mulch
	Hazardous class	ORM-C
	Label required	None
	Identification number	None
	Other information	Keep clean and dry

SECTION 16: Other information

Indication of changes : 05/28/2015

ALL INFORMATION, RECOMMENDATIONS AND SUGGESTIONS APPEARING HEREIN CONCERNING OUR PRODUCTS ARE BASED UPON TESTS AND DATA BELIEVED TO BE RELIABLE. HOWEVER, IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE SAFETY, TOXICITY AND SUITABILITY FOR HIS/HER OWN USE OF THE PRODUCT DESCRIBED HEREIN. SINCE THE ACTUAL USE BY OTHERS IS BEYOND OUR CONTROL WE MAKE NO GUARANTEE, EXPRESSED OR IMPLIED, AS TO THE EFFECTS OF SUCH USE, THE RESULTS TO BE OBTAINED OR THE SAFETY AND TOXICITY OF THE PRODUCT: NOR DO WE ASSUME ANY LIABILITY ARISING OUT OF USE, BY OTHERS, OF THE PRODUCT REFERRED TO HEREIN. THE INFORMATION HEREIN IS NOT TO BE CONSTRUED AS ABSOLUTELY COMPLETE SINCE ADDITIONAL INFORMATION MAY BE NECESSARY OR DESIRABLE WHEN PARTICULAR OR EXCEPTIONAL CONDITIONS OR CIRCUMSTANCES EXIST OR BECAUSE OF APPLICABLE LAWS OR GOVERNMENT REGULATIONS.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

LEGEND:

CAS	Chemical abstract services	OSHA	Occupational Safety and Health Organization
mg/m ³	Milligrams per cubic meter	PNOR	Particulates not otherwise regulated
LCLo	Lethal concentration low	PNOS	Particulates not otherwise specified
LDLo	Lethal dose low	PEL	OSHA permissible exposure limits
LC50	Lethal concentration 50%	ppm	Parts per million
LD50	Lethal dose 50%	RfD	Reference dose
LOAEL	Lowest observed adverse effect level	RTECS	Registry of Toxic Effects of Chemical Substances
mg/l/H	Milligrams per liter per hour	TDLo	Toxic dose low
mg/kg	Milligrams per kilogram	TLV	ACGIH Threshold limit value
ACGIH	American Conference of Governmental Industrial Hygienist	TWA	8 hour time weighted average exposure