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Material Safety Data Sheet – MSDS

Product Name:	Second Nature® Wood Fiber Blend Hydraulic Mulch
Revision Date:	May 2013

1. Product Identification

Product	Wood Based Hydraulic Mulch	
Trade Name	Second Nature® Wood Fiber Blend	
CAS#	9004-34-6	
ACGIH TLV	5 mg/m3 (respirable)	
OSHA	15 mppcf	
HMIS Rating	Flammability	1
	Personal Protection	E
	Health	1
	Reactivity	0
Filler	Recycled Paper	

2. Hazardous Ingredients

Wood Dust is considered a hazardous substance as defined by the Hazardous Communications Standards 29CFR1910.1200.

3. Physical Properties

Boiling Point (F)	Not Applicable
Vapor Pressure (mm Hg)	Not Applicable
Vapor Density	Not Applicable
Solubility in Water	Insoluble, Dispersible
Bulk Density	22 lb/ft³
Reactivity in Water	Dispersible
Melting Point	Not Applicable
Appearance & Odor	Coarse material, green in color. No discernible odor.

4. Fire & Explosion Data

Flash Point	>550F
Flammability Limits:	
LEL	Not Applicable
UEL	Not Applicable
Extinguishing Media	Water
Special Fire Fighting Procedures	None
Unusual Fire & Explosion Hazards	None

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CANTON, OH 44707
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WELLSVILLE, KS 66092
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5. Reactivity

Stability	Stable
Conditions to Avoid	Avoid extreme heat and flame
Hazardous Decomposition	May produce carbon monoxide and carbon dioxide
Hazardous Polymerization	Will not occur

6. Health Hazards

Material is primarily a Nuisance Dust

Overexposure	May cause irritation to eye and respiratory system. Avoid breathing dust.
Inhalation	Can cause irritation to mucous membrane and upper respiratory system. Remove to fresh air.
Ingestion	May cause vomiting or diarrhea.
Eyes	In case of eye contact flush with copious amount of water
Skin	In case of broken skin, wear gloves. Wash dust with soap and water.

7. Special Precautions Spill/Leak Procedures

Spill	Sweep up excess material
Disposal	In accordance with Federal, State and local refuse regulations

8. Special Protection Control Measures

Respiratory Protection	Use NIOSH approved respiratory masks
Eye Protection	Use goggles or eye glasses
Hand Protection	If sensitive, wear gloves
Other Protective Clothing	None
Ventilation	Normal & ventilation
Work/Hygiene	Practices standard hygiene

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SECOND NATURE®

WOOD FIBER BLEND HYDRAULIC MULCH

To Us, Effective Erosion Control Is SECOND NATURE®

PROFESSIONAL CHOICE

Produced using a specially formulated blend of **Thermo-Mechanically Processed** virgin wood fiber and **Recycled** cellulose fiber, Second Nature Wood Fiber Blend is **Non-Toxic and 100% Biodegradable**.

ENHANCED COVERAGE

Easy to Mix and Spray with any standard hydro seeder, Second Nature Wood Fiber Blend **Improves Coverage up to 20%** when compared to Cellulose Fiber.

ESTABLISH TURF

Superior Erosion Control and Turf Establishment when compared to 100% Cellulose Fiber Hydraulic Mulch.

ATTRACTIVE RESULTS

Vibrant green color provides a **Professional** look as well as an easy visual guide for **Accurate Metering**.

QUALITY STANDARDS

Meets or exceeds all requirements for Wood and Cellulose Fiber Hydraulic Mulches and is packaged in durable 50 pound **Vinyl/UV/Weather-Resistant** bags.

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www.centralfiber.com

ECTC Erosion Control Technology Council

IECA Cornerstone Member

SECOND NATURE®

WOOD FIBER BLEND HYDRAULIC MULCH

TECHNICAL DATA

Second Nature Wood Fiber Blend Hydraulic Mulch (HM) is manufactured from thermo-mechanically processed 100% virgin wood chips and high quality post-consumer recycled cellulose fiber. It is non-toxic, 100% biodegradable and contaminant free. Applying the HM forms a porous bond with the soil surface, enhancing seed germination and growth.

Mixing

Mix Second Nature Wood Fiber Blend Hydraulic Mulch with approximately 100 gallons of water per 50 pound bag. Seed, fertilizer, tackifier and soil amendments may be added at specified rates for a one-step installation of hydro seeding and erosion control projects. Loading rates should be per the machine manufacturer's guidelines.

Application

Second Nature Wood Fiber Blend Hydraulic Mulch can be applied after adding seed and fertilizer or as a separate application. Good soil preparation is essential. Slurry containing seed and fertilizer is best applied from the hose by pointing the nozzle (fan-type / 50° tip recommended) straight down to drive the material into the soil. The application should then be finalized by allowing the material to "rain" on the surface to achieve approximately 75% coverage. Use cross-directional application of material to achieve optimal surface coverage.

Recommended Application Rates*		
Slope Gradient	US	Metric
Moderate	1500lbs / Acre	1700kg / Ha
4:1 to 3:1	2000lbs / Acre	2300kg / Ha

*Rates represent typical site conditions; Not recommended for channels or high concentrated flow areas

Equipment

Second Nature Wood Fiber Blend Hydraulic Mulch is mixed and applied with a standard hydro seeding machine. *Note*: A mechanically agitated hydro seeding machine is recommended. Follow equipment manufacturer's installation instructions and recommendations.

Product Composition / Property Values

Thermo-Mechanically Processed Virgin Wood Fiber	70% (minimum)
Post-Consumer Recycled Cellulose Fiber	30% (maximum)
Moisture Content	12% (±3%)
EcoToxicity	Non-Toxic (EPA 821/R-02/012)
Water Holding Capacity	1100% (minimum)
Applied Color	Green
Functional Longevity	Up to 3 Months
Biodegradability	100%

Packaging and Shipping

Bag Dimensions, Net Weight	18" x 10" x 26", 50lbs *(UV/Weather-Resistant Plastic)*
Pallet Dimensions, Quantity	46" x 46" x 101", 40 Bags *(UV/Weather-Resistant Stretch-Wrap)*
Full Truckload	22 pallets, 880 Bags

Technical Assistance

Technical Department: (800) 654-6117

Distributed By:

Call 800.654.6117 or visit:

www.centralfiber.com/sn_blend.php

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ECB01