

Section 1 - CHEMICAL, PRODUCT AND COMPANY IDENTIFICATION	
<b>Manufacturer Information:</b> <b>Mat, Inc.</b> 12402 Hwy. 2 Floodwood, MN 55736 Office Phone #: 1-800-477-3028	<b>Supplier Information:</b> <b>American Excelsior Company</b> 850 Avenue H East Arlington, TX 76011 Office Phone #: (817) 385-3500
<b>Chemical Name:</b> Mixture <b>Synonyms:</b> None <b>Internal Product Codes:</b> 043 <b>Product Use:</b> Erosion control for construction	<b>MSDS Origination Date:</b> 12-14-10 <b>Last Revision Date:</b> 11-09-11

Section 2 - COMPOSITION / INFORMATION ON INGREDIENTS		
Components	CAS Number	% Weight
Natural Wood Fibers	N/A	≈88.0
High Grade Organic Tackifier	N/A	≈9.0
Trade Secret	Proprietary	≈1.0
Trade Secret	Proprietary	≈1.0
Green Dye	N/A	≈1.0
<b>Component Information/Information on Non-Hazardous Components:</b> This product may be regulated, have exposure limits or other information identified as the following: Wood Dust, All Soft and Hard Woods.		

Section 3 - HAZARDS IDENTIFICATION	
<b>Product Overview:</b> Product is a mulch of wood fibers used in erosion control for construction. This product may contain wood dust. Inhalation of wood dusts may cause irritation and dryness of the respiratory tract. Repeated skin and inhalation exposure to wood dusts may produce allergic contact dermatitis and respiratory sensitization. Accumulation of wood dusts may pose an explosion hazard. <i>Under normal use, handling and storage conditions, overexposure to wood dust is not anticipated.</i>	
<b>Primary Health Hazard(s):</b> The primary health hazards posed by this product are thought to be due to exposure to wood dusts. However, handling material inside the water soluble packet contained inside the bale may result in exposure to gaseous formaldehyde.	
<b>Potential Health Effects:</b>	
Eyes	Exposure to dusts may cause mechanical eye irritation.
Skin	Handling of product may cause mechanical skin irritation. Repeated skin contact may cause an allergic skin sensitization reaction.
Ingestion	Ingestion of this product is unlikely. If ingestion does occur, it may produce gastric irritation and discomfort.
Inhalation	<i>Under normal use conditions, overexposure to wood dust is not anticipated.</i> Inhalation of wood dusts may cause irritation and dryness of the respiratory system. Repeated inhalation exposure may cause an allergic respiratory sensitization reaction.

#### Section 4 - FIRST AID MEASURES

<b>Eyes:</b>	In case of contact, flush eyes with water for 15 minutes. Obtain medical attention if irritation persists.
<b>Skin:</b>	In case of contact, wash thoroughly with soap and large amounts of water. If irritation develops, get medical attention.
<b>Ingestion:</b>	Due to the physical nature of this material, ingestion is unlikely to occur. If ingestion does occur, seek medical attention.
<b>Inhalation:</b>	If respiratory irritation or other symptoms develop, seek medical attention.
<b>Notes to Physician:</b>	None.

#### Section 5 - FIRE FIGHTING MEASURES

<b>Flash Point:</b>	N/A
<b>Method Used:</b>	N/A
<b>Upper Flammable Limit (UFL):</b>	N/A
<b>Lower Flammable Limit (LFL):</b>	See below under "Unusual Fire and Explosion Hazards"
<b>Auto Ignition:</b>	400° - 500° F
<b>Flammability Classification:</b>	N/A
<b>Rate of Burning:</b>	Moderate to rapid

**General Fire Hazards:**  
Product will ignite upon exposure to ignition source.

**Unusual Fire and Explosion Hazards:**  
Depending on moisture content and more importantly particle diameter, wood dust may explode in the presence of an ignition source. An airborne concentration of 40 grams (40,000mg) of dust per cubic meter of air is often used as the LEL for wood dusts. 30 grams per cubic meter for cellulose dust.

**Hazardous Combustion Products:**  
Carbon monoxide, carbon dioxide, aliphatic aldehydes, rosin acids, terpenes, and polycyclic aromatic hydrocarbons.

**Extinguishing Media:**  
Water, dry chemical, or sand.

**Fire Fighting Equipment/Instructions:**  
Fire fighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products.

**NFPA Ratings:** Health: 1, Fire: 1, Reactivity: 0, Other: 0

**HMIS Ratings:** Health: 1, Fire: 1, Reactivity: 0, Personal Protection: N/A

#### Section 6 - ACCIDENTAL RELEASE MEASURES

<b>Containment Procedures:</b>	Contain by any means necessary.
<b>Clean-Up Procedures:</b>	Vacuum or sweep up material as necessary.
<b>Evacuation Procedures:</b>	Keep unnecessary people out of area.
<b>Special Instructions:</b>	Remove sources of ignition during cleanup and a NIOSH/MSHA approved respirator and goggles should be worn when allowable exposure limits may be exceeded.

### Section 7 - HANDLING AND STORAGE

**Procedures for Handling:**

Keep dust generation to a minimum. Avoid inhaling dusts from this product.  
Remove all sources of ignition when handling this product.

**Recommended Storage Methods:**

Store in a cool, dry area away from moisture, excessive heat, and sources of ignition.

### Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines:**

- |    |   |   |
|----|---|---|
| A. | General Product Information               |   |
|    | Keep formation of dusts to a minimum.     |   |
| B. | Component Exposure Limits                 |   |
|    | Wood Dust, All Soft and Hard Woods        | OSHA PEL: 5 mg/m <sup>3</sup> ; OSHA STEL: 10 mg/m <sup>3</sup>         |
|    | Western red cedar total dust              | OSHA PEL-TWA: 2.5mg/m <sup>3</sup>                                      |
|    | Soft wood total dust                      | ACGIH TVL-TWA: 5mg/m <sup>3</sup> ; ACGIH TVL-STEL: 10mg/m <sup>3</sup> |
|    | Selected hard wood total dust; beech, oak | ACGIH TVL-TWA: 1mg/m <sup>3</sup>                                       |
|    | Non-allergenic total dust                 | WISHA PEL-TWA: 5mg/m <sup>3</sup>                                       |
|    | Allergenic total dust                     | WISHA PEL-TWA: 2.5mg/m <sup>3</sup>                                     |

**Engineering Controls:** Ventilation should be sufficient to effectively remove and prevent buildup of dusts while applying this product. Mechanical ventilation may be necessary.

**Personal Protective Equipment:**

- Eye/Face:** Wear safety glasses, goggles, or other appropriate eye/face protection.
- Skin:** Normal work clothing and gloves are recommended.
- Respiratory:** When necessary, appropriate NIOSH/MSHA approved respiratory protection should be used.
- General:** None.

### Section 9 - PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance:</b> Dyed green wood fibers	<b>Odor:</b> Mild
<b>Physical State:</b> Solid	<b>pH:</b> N/A
<b>Vapor Pressure:</b> N/A	<b>Vapor Density:</b> N/A
<b>Boiling Point:</b> N/A	<b>Freezing Point:</b> N/A

### Section 10 - CHEMICAL STABILITY & REACTIVITY INFORMATION

<b>Chemical Stability:</b>	Stable.
<b>Conditions to Avoid:</b>	Avoid excessive heat and ignition sources. Avoid open flame. Product may ignite at temperatures in excess of 400° F.
<b>Incompatibility:</b>	Avoid contact with oxidizing agents and drying oils.
<b>Hazardous Decomposition Products:</b>	Carbon monoxide, carbon dioxide, aliphatic aldehydes, rosin acids, terpenes, and polycyclic aromatic hydrocarbons.
<b>Hazardous Polymerization:</b>	Hazardous polymerization will not occur.

<b>Section 11 - TOXICOLOGICAL INFORMATION</b>	
<b>Acute Toxicity/Target Organ Information:</b>	
A.	General Product/Component Information Wood dusts are generally considered respiratory irritants and sensitizers. However, the ability of the dust to cause sensitization reactions varies greatly with the species of wood. <i>Under normal use, storage and handling conditions, overexposure to wood dust is not anticipated.</i>
<b>Epidemiology:</b>	No data available for this product.
<b>Carcinogenicity:</b>	
A.	General Product/Component Information There is some evidence that exposure to certain wood dusts may be associated with an increased risk of certain nasal cancers. However, that risk appears to vary greatly with the species of wood and the duration and extent of exposure. <i>Under normal use conditions, overexposure to wood dust is not anticipated.</i>
B.	Component Carcinogenicity Listings Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
<b>Reproductive Toxicity:</b>	No data available for this product.
<b>Neurotoxicity:</b>	No data available for this product.
<b>Mutagenicity:</b>	No data available for this product.
<b>Other Information:</b>	No data available for this product.

<b>Section 12 - ECOLOGICAL INFORMATION</b>	
<b>Ecotoxicity:</b>	No data available for this product.
<b>Environmental Fate:</b>	100% of product is composed of natural and biodegradable components.

<b>Section 13 - DISPOSAL CONSIDERATIONS</b>	
<b>US EPA Waste Number &amp; Descriptions:</b>	
A.	General Product Information - As shipped, not regulated as a hazardous waste.
B.	Component Waste Numbers - This product contains components listed under EPA Registry CAS # 9000-30-0
<b>Disposal Instructions:</b>	Dispose of waste material in accordance with all applicable Federal, State, or provincial and local environmental regulations.

<b>Section 14 - TRANSPORTATION INFORMATION</b>	
<b>DOT Information:</b>	
Shipping Name:	Not regulated as a hazardous material
Hazard Class:	Not regulated
UN/NA #:	Not regulated
Packing Group:	Not regulated
<b>Label(s) Required:</b>	None
<b>Additional Shipping Information:</b>	None
<b>International Transportation Regulations:</b> Not regulated as dangerous goods	

<b>Section 15 - REGULATORY INFORMATION</b>		
<b>US Federal Regulations:</b>		
A.	General Product Information	N/A
B.	Component Information	None of this product's components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).
<b>State Regulations:</b>		
A.	General Product Information	N/A
B.	Component Information	None of this product's components are listed on the state lists from CA, FL, MA, MN, NJ, or PA.
<b>Other Regulations:</b>		
A.	General Product Information	N/A
B.	Component Information	None of the components are listed on the Canadian Controlled Product Ingredient Disclosure List.

<b>Section 16 - OTHER INFORMATION</b>	
<p>As the conditions of methods of use are beyond our control, American Excelsior Company does not assume any responsibility and expressly disclaims any liability for use of this material. Information contained herein is believed to be true and accurate, but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of this material, or the results to be obtained thereof. Compliance with all federal, state, provincial, and local laws and regulations remains the responsibility of the user.</p>	
<b>Key/Legend:</b>	
ACGIH	American Conference of Governmental Industrial Hygienists
CERCLA	Comprehensive Environment Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
DOT	Department of Transportation
EPA	Environmental Protection Agency
HMIS	Hazard Materials Information System
IARC	International Agency for Research Cancer
mg/m <sup>3</sup>	milligrams per cubic meter
MSHA	Mine Safety and Health Administration
N/A	Not applicable or Not available
NIOSH	National Institute of Occupational Safety and Health
NFPA	National Fire Protection Association
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
SARA	Superfund Amendments and Reauthorization Act
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average (8 hours)
WISHA	Washington Industrial Safety and Health Administration
<b>MSDS Contact:</b> American Excelsior Company <b>Phone:</b> (817) 385-3500	