1. **IDENTIFICATION**
   1.1. Product Identification
      1.1.1. Trade Name  
           ECM Cedar Chips  
      1.1.2. Trade Item Codes & U/M  
           10850. (40 Lbs Bag)  
   1.2. Relevant Uses
      1.2.1. Lost Circulation Material  
   1.3. Details of Supplier
      1.3.1. Company  
           ECM Supply LLC  
           55 Hickory Street Ste. 201  
           Washington, PA 15301  
           724-206-9321 Main  
           724-249-2192 Fax  
           ecmsupply.com  
           SDS Created Date: 05/01/2015  
           SDS Last Revised: 00/00/0000  
   1.4. Emergency Contact
      1.4.1. CHEMTREC  
           800-424-9300  

2. **HAZARDS IDENTIFICATION**
   2.1. OSHA Disclaimer
      2.1.1. This document may include information on environmental effect even though OSHA has NOT adopted the environmental portion of the GHS regulations.  
   2.2. Classification of substance/mixture
      HCS 2012 (29 CFR 1910.1200)
      Skin sensitization  
      Category 1B  
   2.3. Label Elements
      HCS 2012 (29 CFR 1910.1200)
      Pictogram  
      Skin/Eye,  
      Signal Word: Warning  
      Hazard Statements: May cause sensitization by inhalation.  
      Precautionary Statement N/A  
      Response: N/A  
      Storage: N/A  
      Disposal: N/A  
   2.4. Other Hazards – NOT Classified
      N/A  

3. **COMPOSITION & INFORMATION (INGREDIENTS)**
   3.1. Substance
      Chemical Nature: Cedar Wood fiber  
   3.2. Mixture
      Chemical Nature: N/A
3.3. **Ingredients & Impurities**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Concentration %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soft Wood</td>
<td>11132-73-3</td>
<td>100</td>
</tr>
</tbody>
</table>

4. **FIRST AID**

4.1. **General Advice**

Show SDS to Doctor.
First Responder Needs Protection.
Place Affected Apparel in a Sealed Bag for Subsequent Decontamination.

4.2. **Inhalation**

Move to Fresh Air.
Give Oxygen- If Necessary.
Provide Artificial Respiration- If Necessary.
Consult a Doctor- If Necessary.

4.3. **Skin Contact**

Wash with Soap and Plenty of Water.
Remove Contaminated Clothing and Shoes.
Wash Contaminated Clothing Before Re-Use.
Consult a Doctor- If Necessary.

4.4. **Eye Contact**

Rinse Immediately w/ Plenty of Water- At Least Fifteen Minutes.
Consult a Doctor- If Necessary.

4.5. **Ingestion**

Risk of Product Entering Lungs on Vomiting After Ingestion.
If victim is conscious and alert, give 2-4 glasses of milk or water.
Never give anything by mouth to an unconscious or convulsing victim.
Seek medical attention.
Seek Medical Advice.
Do Not Leave the Victim Alone.

4.6. **Symptoms & Effects – Acute & Delayed**

Symptoms: Acute:    N/A
Delayed:    N/A

Effects:    Acute:    N/A
Delayed:    N/A

4.7. **Indication of Medical Attention & Special Treatment Needed**

Physician:     Treat Based on Observed Signs & Symptoms.

5. **FIREFIGHTING**

5.1. **Flashpoint**

N/A  Class: N/A

5.2. **Autoignition Temperature**

not determined.

5.3. **Extinguishing Media**

5.3.1. Suitable Extinguishing Media
Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

5.3.2. Unsuitable Extinguishing Media
N/A

5.4. **Special Hazards**

5.4.1. **Specific Hazards**
Under Fire Conditions: Dust in high concentrations may form explosive mixtures in air. Oxides of carbon.

5.4.2. **Hazardous Combustion Products**
Hazardous Decomposition: N/A

5.5. **Advice for Firefighters**
5.5.1. Special PPE  
Gloves, Googles, Clothing. NIOSH/MSHA Approved SCBA.

5.5.2. Specific Fire Fighting Methods  
Collect Contaminated Water- No Drains.

6. **ACCIDENTAL RELEASE**

6.1. Personal Precautions, PPE & Emergency Procedures

Avoid Contact w/ Skin and Eyes.
Wear Suitable PPE - See Section 8.

6.2. Environmental Precautions

Do Not Let Product Enter Any Drains.
Prevent Product From Entering Sewage/Drain Systems.
Spills May be Reported to the National Response Center (800-424-8802).

6.3. Methods and Materials for Containment & Clean Up

6.3.1. Recovery

Soak Up w/ Inert Absorbent Material (If Wet).
Sweep Up & Shovel into Suitable Containers for Disposal
Never Return Spills in Original Containers for Re-Use.

6.3.2. Decontamination & Cleaning

Clean Contaminated Surface Thoroughly.
Wash Off w/ Plenty of Water.
Recover the Cleaning Water for Subsequent Disposal.
Decontaminate Tools, Equipment & PPE in Separate Area.

6.3.3. Disposal

Dispose of in Accordance w/ Local Regulations.

6.3.4. Additional Advice

Material Can Create Slippery Conditions.

6.4. Reference to Other Section

No Data Available

7. **STORAGE & HANDLING**

7.1. Precautions For Safe Handling

Avoid Inhalation, Ingestion and Contact w/ Skins and Eyes.
Handle in Accordance w/ Good Industrial Hygiene and Safety Practice.

7.1.1. Hygiene Measures

Personal Hygiene Is An Important Work Practice Exposure Control Measure:
Do Not Store, Use and/or Consume Foods, Beverages, Tobacco Products, or Cosmetics in Areas Where This Material Is Stored.
Wash Hands and Face Carefully Before Eating, Drinking, Using Tobacco, Applying Cosmetics, or Using the Toilet.
Wash Exposed Skin Promptly to Remove Accidental Splashes or Contact w/ Material.

7.2. Conditions for Safe Storage, Including any Incompatibilities.

7.2.1. Technical Measures & Storage Conditions

Take All Necessary Measures to Avoid Accidental Discharge of Products into Drains and Waterways.
Keep in a Dry, Cool and Well-Ventilated Place.
Keep Container Tightly Closed.
Do Not Freeze.
Keep Away From Open Flames, Hot Surfaces and Sources of Ignition.
Keep Away From Incompatible Materials to Be Indicated By the Manufacturer.

7.2.2. Requirements for Storage Rooms & Vessels

Recommended Storage Temp: N/A

7.3. Specific End Use(s)
8. **EXPOSURE CONTROLS & PPE**

8.1. Control Parameters


8.1.1. Components w/ Workplace Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Type</th>
<th>Value</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soft Wood</td>
<td>ACGIH</td>
<td>10 mg/m³</td>
<td>(total dust)</td>
</tr>
<tr>
<td></td>
<td>OSHA</td>
<td>15 mg/m³</td>
<td>(total dust)</td>
</tr>
</tbody>
</table>

8.2. Exposure Controls

8.2.1. Control Measures

8.2.1.1. Engineering Measures

Where Engineering Controls are Indicated by Use Conditions or a Potential for Excessive Exposure Exists, The Following Traditional Exposure Control Techniques May Be Used To Effectively Minimize Employee Exposures.

- Effective Exhaust Ventilation System.

8.2.2. Individual Protection Measures

8.2.2.1. Respiratory Protection

When Respirators are Required, Select NIOSH/MSHA Approved Equipment Based On Actual or Potential Airborne Concentrations and in Accordance w/ the Appropriate Regulatory Standards and/or Industrial Recommendations.

Use a Respirator w/ an Approved Filter If A Risk Assessment Indicated Necessary.

8.2.2.2. Hand Protection

Where There is a Risk of Contact w/ Hands- Use Appropriate Gloves.

Observe and Follow Supplier Instructions Regarding Permeability and Breakthrough Time.

- Gloves Must Be Inspected Prior to Use.
- Gloves Must Be Discarded and Replaced if There Is Any Breakthrough.

8.2.2.3. Eye Protection

Work Environments and Material Handling Practices Determine Eye and Face Requirements.

Approved ANSI Z87 Equipment Shall Be Selected.

Eye Contact Should be Prevented Through the Use of Safety Glasses w/ Side Shields.

8.2.2.4. Skin & Body Protection

Remove and Wash Contaminated Clothing Before Re-Use.

Choose Body Protection According to the Amount and Concentration of the Dangerous Substance at the Work Place.

Protective Suit and Boots as Necessary.

8.2.2.5. Hygiene Measures

Do Not Store, Use and/or Consume Foods, Beverages, Tobacco Products or Cosmetics in Areas Where This Material is Stored.

Wash Hands and Face Carefully Before Eating, Drinking, Using Tobacco, Applying Cosmetics, or Using the Toilet.

Wash Exposed Skin Promptly.

8.2.2.6. Protective Measures

Ensure Eyewash and Safety Showers Are Near.

PPE Shall be In Accordance w/ Local Standards and In Cooperation w/ Supplier of the PPE.

PPE Selected Should Be Based on Evaluation of the Performance of the Task(s).
9. **PHYSICAL & CHEMICAL PROPERTIES**
   
   9.1. Basic Physical & Chemical Properties
   
   - **Appearance**: Brown powder. Solid
   - **Autoignition Temperature**: N/A
   - **Boil Point**: N/A
   - **Density**: 0.6
   - **Evaporation Rate**: N/A
   - **Explosive Properties**: N/A
   - **Flammability**: N/A
   - **Flash Point**: N/A
   - **Freezing Point**: N/A
   - **Odor**: Slight
   - **Odor Threshold**: N/A
   - **Oxidizing Properties**: N/A
   - **Partition Coefficient**: N/A
   - **pH**: N/A
   - **Solubility**: Insoluble in water; Not available (in other liquids)
   - **Thermal Decomposition**: N/A
   - **Vapor Density**: N/A
   - **Vapor Pressure**: N/A
   - **Viscosity**: N/A

   9.2. Other Information
   
   - **Volatile by Volume**: N/A

10. **STABILITY & REACTIVITY**
    
   10.1. Reactivity
   
   - **N/A**

   10.2. Chemical Stability
   
   - **Normally stable.**

   10.3. Possible Hazardous Reactions
   
   - **Hazardous polymerization will not occur.**

   10.4. Conditions to Avoid
   
   - **Avoid heat, flames, and other sources of ignition.**

   10.5. Incompatible Materials
   
   - **None known.**

   10.6. Hazardous Decomposition Products
   
   - **Carbon monoxide and Carbon dioxide.**

11. **TOXICOLOGICAL REPORT**
    
   11.1. Effects
   
   11.1.1. Acute
   
   - **Acute Oral**: N/A
   - **Acute Inhalation**: N/A
   - **Acute Dermal**: N/A
   - **Acute Other**: N/A

   11.1.2. Skin Corrosion & Irritation
   
   - **Skin Irritation**: May be irritating to the skin. Dermatitis may result from short contact periods.

   11.1.3. Eye Damage & Irritation
Eye Irritation  May be irritating to the eyes. Particulates may cause mechanical irritation to the eyes.

11.1.4. Respiratory or Skin Sensitization Sensitization  N/A
11.1.5. Mutagenicity Genotoxicity in Vitro  N/A
Genotoxicity in Vivo  N/A
11.1.6. Carcinogenicity  N/A
11.1.7. Toxicity for Reproduction & Development Fertility  N/A
Teratogenicity  N/A
11.1.8. Specific Target Organ Toxicant Single Exposure  N/A
Repeated Exposure  N/A
11.1.9. Neurological  N/A
11.1.10. CMR  N/A
11.1.11. Aspiration  N/A

12. ECOLOGICAL REPORT
12.1. Toxicty
12.1.1. Aquatic Compartment
   Acute – Fish  N/A
   Acute – Daphnia & Other  N/A
   Aquatic Plants  N/A
   Chronic – Fish  N/A
12.2. Persistence & Degradability
12.2.1. Biodegradation
   Biodegradability  Biodegradable
12.3. Bioaccumulative Potential
12.3.1. Bioconcentration Factor (BCF)  N/A
12.4. Mobility in Soil  N/A
12.5. PBT & vPvB Assessment Report  N/A
12.6. Other Adverse Effects  N/A
12.7. Ecotoxicity Assessment
12.7.1. Acute  N/A
12.7.2. Chronic  N/A

13. DISPOSAL
13.1. Waste Treatment Methods
13.1.1. Disposal
   Altering or Alterations of this Material May Make the Waste Management Information Presented in this SDS Incomplete, Inaccurate or Otherwise Inappropriate. Please be Advised to all Federal, State and Local Regulation for Waste Disposal.
13.1.2. Waste Code
   N/A
13.1.3. Advice- Cleaning, Disposal, Packaging
   Recover and reclaim or recycle, if practical. Should this product become a waste, dispose in a permitted industrial landfill. Empty containers retain residues. Ensure that containers are empty by RCRA criteria prior to disposal in a permitted industrial landfill.
13.1.4. Waste Avoidance & Recovery
14. TRANSPORT
   14.1. Department of Transportation
       14.1.1. UN Number Not applicable
       14.1.2. Proper Shipping Name N/A
       14.1.3. Transport Hazard Class N/A
       14.1.4. Packaging Group N/A
       14.1.5. Environmental Hazards N/A
   14.2. TDG
       14.2.1. UN Number
       14.2.2. Proper Shipping Name
       14.2.3. Transport Hazard Class
       14.2.4. Packaging Group
       14.2.5. Environmental Hazards
   14.3. NOM
       14.3.1. UN Number
       14.3.2. Property Shipping Name
       14.3.3. Transport Hazard Class
       14.3.4. Packaging Group
       14.3.5. Environmental Hazards
   14.4. IMDG
       14.4.1. UN Number
       14.4.2. Proper Shipping Name
       14.4.3. Transport Hazard Class
       14.4.4. Packaging Group
       14.4.5. Environmental Hazards
       14.4.6. Special Precautions
   14.5. IATA
       14.5.1. UN Number
       14.5.2. Proper Shipping Name
       14.5.3. Transport Hazard Class
       14.5.4. Packaging Group
           14.5.4.1. Passenger Aircraft Packing
           14.5.4.2. Max
           14.5.4.3. Cargo Aircraft Packaging
           14.5.4.4. Max
       14.5.5. Environmental Hazards
       14.5.6. Special Precautions

15. REGULATORY
   15.1. Notification Status
       15.1.1. Inventory Info
           United States TSCA Inventory Listed on Inventory
   15.2. Federal Regulations
       15.2.1. US EPA EPCRA SARA Title III
           15.2.1.1. SARA Hazard Designation Section 311/312 (40 CFR 370)
               Fire Hazard No
               Reactivity Hazard No
               Sudden Release of Pressure Hazard No
Acute Health Hazard: Yes
Chronic Health Hazard: No

15.2.1.2. Section 313 Toxic Chemicals (40 CFR 372.65)
Does not contain toxic chemical subject to the reporting requirements

15.2.1.3. Section 302 Emergency Planning- Hazardous Substance Threshold (40 CFR 355)
N/A

15.2.1.4. Section 302 Emergency Planning- Hazardous Substance Reporting (40 CFR 355)
Ingredient | CAS No. | Quantity
--- | --- | ---

15.2.1.5. Section 304 Emergency Release Notification (40 CFR 355)
Ingredient | CAS No. | Quantity
--- | --- | ---

15.2.2. US EPA CERCLA Hazardous Substance & Reporting Quantities (40 CFR 302.4)
Ingredient | CAS No. | Quantity
--- | --- | ---

15.3. State Regulations
15.3.1. US California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)
15.3.1.1. This Product Contains a Chemical Known by the State to Cause Cancer
Ingredient | CAS No.
--- | ---

15.3.1.2. This Product Contains a Chemical Known by the State to Cause Birth Defects
Ingredient | CAS No.
--- | ---

16. OTHER
16.1. National Fire Protection Association Classification (NFPA)
Health: 1
Flammability: 1
Instability/Reactivity: 0

16.2. Hazardous Materials Identification System Classification (HMIS)
Health: 1
Flammability: 1
Reactivity: 0
PPE: Determined by User- Consult Direct Supervisor

16.3. Further Information
US GHS Evaluated Format

16.4. Abbreviations / Acronyms Used in This SDS
Gov’t: Government
SDS: Safety Data Sheet
ST: STEL- 15 Minute TWA Exposure, Not To Be Exceeded
STEL: Short Term Exposure Limit
TWA: 8 Hour, Time Weighted Average
ACGIH: American Conference of Gov’t Industrial Hygienists
OSHA: Occupational Safety and Health Administration
NTP: National Toxicology Program
IARC: International Agency for Research on Cancer
NIOSH: National Institute for Occupational Safety and Health

17. DISCLAIMER
The information provided in this Safety Data Sheet is correct to the best of ECM Supply, LLC knowledge, information and belief at the time and date of its publication. Such information is only given as a guidance to help users handle, use, process, store, transport, dispose, and release the product in satisfactory safety conditions and is not to be considered as a warranty or intended to replace technical data sheets and product specifications and does not release the user from obligated regulation linked to its activity thereof. This information relates only to the product designated herein and does not relate to its use in conjunction and/or combination with other material(s) and/or other processes.