



MATERIAL SAFETY DATA SHEET

SECTION I: PRODUCT, COMPANY AND SHIPPER IDENTIFICATION

Product Name: **Ammonium Lignin Sulfonate (Lignosulfonate) RTU**
Chemical Name: *Ligninsulfonate*
Manufacturer: *EnviroTech Services, Inc. (970) 346-3900*
910 54th Avenue, Suite 230
Greeley, CO 80634

Shipper/Distributor:
(if different than Manufacturer)

Chemtrec: (800) 424-9300

SECTION II: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Percent
<i>Water</i>	<i>7732-18-5</i>	<i>40 - 60</i>
<i>Ligninsulfonate</i>	<i>8062-15-5</i>	<i>20 - 30</i>

SECTION III: HAZARDS IDENTIFICATION

Emergency Overview: *This MSDS has been compiled as a response to customer requests to address the safe handling of the product.*
THIS PRODUCT IS NOT REGULATED UNDER OSHA.
It does not contain any hazardous components.
CAUTION – MAY CAUSE EYE IRRITATION

Potential Health Effects

Route(s) Of Entry: *Eye, Inhalation, Ingestion, Skin Contact*
Eyes: *May cause mild irritation.*
Inhalation: *May cause respiratory tract irritation.*
Ingestion: *May cause GI irritation.*
Skin: *May cause mild irritation.*

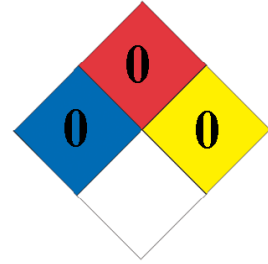
Chronic Effects *None known.*

SECTION IV: FIRST AID MEASURES

Ingestion: *Non toxic, do not induce vomiting, rinse mouth with water, do not give an unconscious person something to ingest.*
Skin: *Flush with water, wash with mild soap and water, and practice reasonable and ordinary hygiene.*
Eyes: *Look for and remove contact lenses. Irrigate with water.*
Inhalation: *Normally not applicable. If inhaled, remove to fresh air, if not breathing, give artificial respiration. Obtain medical attention if irritation occurs.*

SECTION V: FIRE AND EXPLOSION HAZARD DATA

Flammable Limits: *N/A Not Flammable*
LEL: *N/A*
UEL: *N/A*
Extinguishing Media: *None, non-flammable*
Flash Point: *None*
Special Fire Fighting Procedures: *None*
Unusual Fire and Explosion Hazards: *None*



NFPA Classification: *Health = 0 Flammability = 0 Reactivity = 0*

SECTION VI: ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedure:

*Contain spills to prevent access to waterways, sewers and basements.
Flush with water.*

SECTION VII: HANDLING AND STORAGE

Precautions to be taken in Handling and Storage:

KEEP OUT OF THE REACH OF CHILDREN

Material can be corrosive to some metals; care should be taken when stored for long periods in metal containers.

Avoid contact with eye, skin or clothing.

Wash thoroughly after handling.

Practice reasonable care and precautions.

Wear safety glasses and rubber or other impervious gloves.

Other Precautions:

Not for food or drug use. Do not take internally. May cause leather to shrink.

SECTION VIII: EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: *None*

Ventilation: *Local Exhaust: Not required
Mechanical (General): Not required*

Protective Gloves: *Rubber or other impervious gloves recommended.*

Eye Protection: *Safety glasses or goggles with splash shields recommended.*

Other: *None*

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: *212°F*

Specific Gravity: *1.10 – 1.25*

Vapor Pressure: *N/A*

Melting Point: *N/A*

Vapor Density: *N/A*

Evaporation Rate: *Not Determined*

Solubility in Water: *100%*

pH: *3 – 8 as shipped*

Appearance and Odor: *Dark brown liquid with woody odor*

SECTION X: STABILITY AND REACTIVITY

Stability: *Stable*

Incompatibilities: *Strong oxidizers, concentrated acids (i.e. nitric acid)*

Hazardous Decomposition: *Hydrogen chloride, halogenated compounds. Thermal decomposition above temperatures of 570° F may release chlorine gas.*

Hazardous Polymerization: *Will not occur*

Conditions to Avoid: *Avoid contact and storage with above listed compounds or materials.*

SECTION XI: TOXICOLOGICAL INFORMATION

Description: *Not Listed*

SECTION XII: ECOLOGICAL INFORMATION

Environmental Effects: *Not Available*

Ecotoxicity: *Not Available*

SECTION XIII: DISPOSAL CONSIDERATIONS

Disposal Method:

If a waste is identified it must be disposed of in accordance with federal, state and local regulations.

SECTION XIV: TRANSPORTATION INFORMATION

U.S. Department of Transportation:

Not regulated as dangerous goods. Not regulated as hazardous.

Transportation of Dangerous Goods (TDG – Canada):

Not regulated as dangerous goods. Not regulated as hazardous.

SECTION XV: REGULATORY INFORMATION

OSHA Status: *Not Listed*

TSCA Status: *Not Listed*

CERCLA reportable quantity: *None*

SARA Section 302 Extremely Hazardous Substances: *Not Listed*

SARA Section 311/312 Hazard Category: *Not an OSHA hazardous material.*

SARA Section 313 Toxic Chemical: *Not an OSHA hazardous material.*

RCRA Status: *Not Listed*

SECTION XVI: OTHER INFORMATION

Disclaimer: *This Material Data Safety Sheet (MSDS) is provided in response to customer requests to address the safe handling of the product. All statements, technical information and recommendations contained herein are the best of our knowledge, reliable and accurate. This MSDS is not intended to make any representation as to how the product will perform when used for its intended purpose by a user. In that regards the product is sold "AS IS" and nothing in this MSDS should be deemed to be a representation or warranty of any injury, loss, or damage, of any kind or nature, which are sustained by or arise from the use of the product. Nothing in this MSDS is intended to be a representation or warranty by the manufacturer of the accuracy, safety, or usefulness for any purpose of any technical information, materials, techniques, or practices.*

Issue Date: September 1st, 2011

Supersedes Date: All Previous Versions

The information contained in this Material Safety Data Sheet is, to the best of our knowledge, accurate and reliable. This information should be provided to all individuals handling this product. Federal, state, and local regulations should be followed when handling this product.