

SECTION 1: Product Identification

Product Identifier: **Terreplex**

Synonyms: Calcium Lignosulfonate, Lignosulfonic Acid Mixture
CAS number: Mixture - no single CAS number available

Manufacturer: Mitchell Products
Address: 1205 West Main Street, Millville, NJ 08332
Phone: 856-327-2005
Emergency Phone: (717) 359-6544 *CHEMTREC Phone: (800) 424-9300: Use only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals.

Date Prepared: 05-18-2015
Recommended Use: Reduce salts and bicarbonates

SECTION 2: Hazard(s) Identification

Hazard Classification: Irritant
Signal Word: Warning
Hazard Statement: Irritant to eyes, skin, and ingestion.



Pictograms:
Precautionary Statement: Use proper gloves/goggles when handling and wash hands before touching eyes or eating. Get medical advice/attention if you feel unwell. Dispose of contents/container in accordance with local/regional/national and international regulations.

THE NFPA RATING HAS NOT BEEN ESTABLISHED FOR THIS PRODUCT

PA Right-to-Know: This product contains proprietary ingredients.

This product contains the following chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372 (the corresponding CAS number and typical percent by weights are also provided): **NONE**

SECTION 3: Composition/Information on Ingredients

Chemical Name: Calcium Lignosulfonate, Lignosulfonic Acid Mixture
Common Name: Calcium Lignosulfonate, Lignosulfonic Acid Mixture
CAS #: Mixture no single CAS number available
Percentage: 100%

SECTION 4: First Aid Measures

Routes of Exposure: Ingestion, eyes and skin

Symptoms

Ingestion: Overexposure may cause diarrhea, nausea, and vomiting.
Eyes: Overexposure causes excessive watering, redness.
Skin: Overexposure may cause itching and redness similar to a rash.

First Aid

Ingestion: Contact physician or poison control center. If victim is conscious and able to swallow, quickly give water or milk to dilute. Do not give sodium bicarbonate, vinegar, or fruit juices. Never give anything by mouth if victim is unconscious or having convulsions. Do not induce vomiting. Seek medical attention if necessary.

Eyes: Flush immediately with copious amounts of water. Continue flushing for at least 15 minutes and seek medical attention.

Skin: Wash exposed areas with soap and water. Seek medical attention if itching and redness persist.

Inhalation: Remove to fresh air. Seek medical attention if necessary.

SECTION 5: Fire-Fighting Measures

Extinguishing Data:	Use dry chemical, carbon dioxide, waterspray or alcohol resistant foam
Special Procedures:	Use water spray to cool drums exposed to fire
Unusual Fire & Explosive Hazards:	May react with metals (iron, zinc or aluminum) to form highly flammable hydrogen gas which can form explosive mixture with air.

SECTION 6: Accidental Release Measures

Personal Precautions:	Ensure cap is sealed tightly. Do not puncture container. Keep away from sharp objects and use caution around forklifts.
Cleanup Procedures:	Eliminate all sources of ignition. Cover drains. Immediately apply absorbent product like clay or Speedy Dry and place contents in recovery drum. Wash area with water. Continue applying absorbent material and washing until spill has been absorbed and no odor remains. Block off area to avoid slipping. Consult local, state, and federal regulations before disposing this material/recover drums.
Neutralizing Chemicals:	Can be neutralized with sodium carbonate or bicarbonate.

SECTION 7: Handling & Storage

Precautions for Safe Handling:	No special requirements.
Storage Recommendations:	Ensure cap is re-applied. Keep containers closed when not in use. Keep from sources of ignition. Do not contaminate water, food, feed by storage or disposal. Follow good industrial hygiene practices, store between 40.5 F and 120.5 F.

SECTION 8: Exposure Controls / Personal Protection

Respiratory Protection:	Respirator approved by NIOSH/MSHA should be worn where vapor inhalation could occur.
Ventilation:	Use adequate, general or local exhaust ventilation.
Protective Gloves:	Chemical-resistant rubber gloves recommended
Eye Protection:	Chemical goggles recommended
Other Equipment:	Eye wash and safety shower in the work area
Work/Hygienic Practices:	Avoid contact with eyes and skin, wash thoroughly after handling. Avoid eating, drinking, tobacco usage and cosmetic application to prevent exposure.

SECTION 9: Physical & Chemical Properties

Appearance:	Brown liquid	Vapor Pressure:	14.2 @ 20°C
Odor:	Slight odor	Vapor Density:	1.21 @ 20°C
Odor Threshold:	N/A	Relative Density:	~1280 kg/m ³
pH @20C:	2 – 3	Solubility (ies):	Soluble in water
Melting/Freezing Point:	-2°C / 104°C	Partition coefficient:	N/A
Boiling Point:	~ 100° C	Auto-ignition Temperature:	N/A
Flash Point, F, COC	N/A	Decomposition Temperature:	N/A
Evaporation Rate:	Normal 0.4 (water)	% Volatiles By Weight:	45 (water)
Flammability:	N/A	Viscosity @25C:	N/A
Flammable Limits:	Not established	Specific Gravity:	1.2 – 1.4

SECTION 10: Stability & Reactivity

Reactivity:	Avoid strong oxidizing agents
Chemical Stability:	Stable
Hazardous Polymerization:	Will not occur
Conditions to be Avoided:	Contact with strong oxidizing agents, strong caustics, extreme heat
Materials to avoid:	Metals
Classes of Incompatible Materials:	Strong bases or oxidizing agents
Hazardous Decomposition Products:	Sulfur dioxide, carbon dioxide, and carbon monoxide

SECTION 11: Toxicological Information

Routes of Exposure: Ingestion, inhalation, eye and skin contact

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Delayed/Immediate/Chronic effects from short- and long-term exposure: N/A

Numerical Measures of Toxicity: Dermal Toxicity: N/A

Oral Toxicity: > 15 g/kg
Chronic: No Data Available

Description of Symptoms: See Section 4. First Aid Measures
Listed in NTP Report on Carcinogens: No

SECTION 12: Ecological Information

Environmental Impact: N/A

SECTION 13: Disposal Considerations

Consult local, state, and federal regulations before disposing this material.

SECTION 14: Transport Information

UN Number:	N/A	Environmental Hazards:	N/A
UN Shipping Name:	N/A	Guidance on Transport in Bulk:	N/A
Transport Hazard Class:	N/A	Special Precautions:	N/A
Packing Group Number:	N/A		

SECTION 15: Regulatory Information

Department of Transportation: DOT classification - Not classified as dangerous goods.

SECTION 16: Other Information

This Terreplex SDS was prepared May 18, 2015.

The information presented herein is believed to be factual, as it has been derived from the works of qualified experts; however, nothing contained in this SDS to be taken as a warranty. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.