

**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

**Importer:** Living Turf  
2/17 Barclay Street, Marrickville NSW 2204

**Emergency Phone:**



1300 556 116  
www.livingturf.com  
service@livingturf.com

**Date Prepared:** 27-08-2020  
**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. Flush immediately with copious amounts of water. Continue flushing for at least 15 minutes and seek medical attention.

**Eyes:**

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

**Skin:**

Remove to fresh air. Seek medical attention if necessary.

**Inhalation:**

<b>SECTION 5: Fire-Fighting Measures</b>
--

**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.

<b>SECTION 6: Accidental Release Measures</b>
---

**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.

<b>SECTION 7: Handling &amp; Storage</b>
--

**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.

<b>SECTION 8: Exposure Controls / Personal Protection</b>
---

**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.

<b>SECTION 9: Physical &amp; Chemical Properties</b>
--

**Appearance:**

Brown liquid

**Odor:**

Slight odor

**Odor Threshold:**

N/A

**pH @20C:**

2 – 3

**Melting/Freezing Point:**

-2°C / 104°C

**Boiling Point:**

~ 100° C

**Flash Point, F, COC**

N/A

**Evaporation Rate:**

Normal 0.4 (water)

**Flammability:**

N/A

**Flammable Limits:**

Not established

**Vapor Pressure:**

14.2 @ 20°C

**Vapor Density:**

1.21 @ 20°C

**Relative Density:**

~1280 kg/m<sup>3</sup>

**Solubility (ies):**

Soluble in water

**Partition coefficient:**

N/A

**Auto-ignition Temperature:**

N/A

**Decomposition Temperature:**

N/A

**% Volatiles By Weight:**

45 (water)

**Viscosity @25C:**

N/A

**Specific Gravity:**

1.2 – 1.4

<b>SECTION 10: Stability &amp; Reactivity</b>
---

**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

**Routes of Exposure:** Ingestion, eyes and skin contact  
**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**

<b>UN Number:</b>	N/A	<b>Environmental Hazards:</b>	N/A
<b>UN Shipping Name:</b>	N/A	<b>Guidance on Transport in Bulk:</b>	N/A
<b>Transport Hazard Class:</b>	N/A	<b>Special Precautions:</b>	N/A
<b>Packing Group Number:</b>	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 August 27, 2020.

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.

**MITCHELL PRODUCTS**  
1205 West Main Street • Millville, NJ 08332 • 866-436-0500