

SECTION 1: Product Identification

Product Identifier: **Terafirm**

Synonyms: Non-ionic soil surfactant
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: 866-436-0500
Date Prepared: 1-12-2023

Recommended Use: Soil-applied chemical to help reduce surface tension of water.

SECTION 2: Hazard(s) Identification

Hazard Classification: Skin Irritant, Category 2
Eye Irritant, Category 2A
Acute toxicity, oral Category 5

Signal Word: "WARNING"

Hazard Statement: H303 – May be harmful if swallowed
H315 – Causes skin irritation
H319 – Causes serious eye irritation

Precautionary Statement: (PREVENTION)
P264 – Wash thoroughly after handling.
P270 – Do not eat, drink or smoke when using this product.
P280 – Wear protective gloves.

(RESPONSE)
P301 + P312 – IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330 – Rinse mouth.
P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 – If eye irritation persists: Get medical advice/attention.
P362 + P364 – Take off contaminated clothing.

(Storage)
P402 – Store in a dry place.

(Disposal)
P501 – Dispose of content/container in accordance with local registration.

GHS Hazard Pictograms:



SECTION 3: Composition/Information on Ingredients

Chemical Name: Propanediol, Poly(2-methyloxirane), Docusate sodium
Common Name: N/A
CAS #: Proprietary

Chemical Name: Water, Lignosulfonate
Common Name: N/A
CAS #: Proprietary

Contents of chemical name and hazardous compounds are a trade secret as allowed by 29 CFR 1910.1200 (i) 1.

SECTION 4: First Aid Measures

Routes of Exposure & Symptoms:

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

First Aid Response:

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. Induce vomiting only upon advice of a physician.
Eyes Contact: Flush immediately with copious amounts of water. Continue flushing for at least 15 minutes. Seek medical attention!!!
Skin Contact: Wash exposed areas with soap and water. If itching and redness persist, seek medical attention.

SECTION 5: Fire-Fighting Measures

Flash Point, F: > 200 F
Auto Ignition Temperature: N/A
Extinguishing Media: Water spray, Foam, Dry Chemical, Carbon Dioxide (CO2)
Special Procedures: Wear self-contained breathing apparatus when fighting a fire
NFPA Labeling:



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.
Spill & Cleanup Procedures: Contain material by diking the area around the spill. If the product is in a solid form, shovel directly into recovery drums. If the product is a liquid, it should be picked up using a suitable absorbent material, then shoveled into recovery drums.

SECTION 7: Handling & Storage

Min/Max Storage Temperatures: No special requirements.
Precautions for Safe Handling: No special requirements.
Storage Recommendations: Ensure cap is re-applied. No special requirements
Incompatible or Segregation: If this chemical is being stored around hazardous material ensure that each chemical is compatible with each other by following the segregation

practices that are set in place by the local, state, & federal regulating offices.

SECTION 8: Exposure Controls / Personal Protection

Occupational Exposure Limit:	None known.
Respiratory Protection:	The use of a NIOSH approved respiratory protection may be needed if working in a poor ventilated area.
Ventilation:	Ensure adequate ventilation, especially in confined areas
Protective Gloves:	This chemical requires the use of chemical resistant gloves that meet ANSI/ISEA Standard when handling this chemical.
Eye Protection:	This chemical requires the use of chemical protective goggles that meet ANSI/ISEA Standard when handling this chemical.
Work/Hygienic Practices:	Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.
Other Equipment:	Eye wash and safety shower in the work area.

SECTION 9: Physical & Chemical Properties

Physical State:	Liquid	Specific Gravity:	0.9872
Appearance/Color:	Clear liquid	Evaporation Rate:	N/A
Odor:	Mild Characteristic	Vapor Pressure:	N/A
Odor Threshold:	N/A	Vapor Density:	N/A
pH:	4.5 – 7.5	Relative Density:	N/A
Melting Point:	N/A	Solubility in Water:	Soluble
Boiling Point:	N/A	% Activity:	N/A
Flash Point:	>200	Auto-ignition Temperature:	N/A
Flammability:	N/A	Decomposition Temperature:	N/A
Explosive Limits:	N/A	Viscosity:	N/A
Partition coefficient:	N/A		

SECTION 10: Stability & Reactivity

Reactivity:	Avoid contact with strong oxidizing agents
Chemical Stability:	Stable
Hazardous Polymerization:	Will not occur
Conditions to be Avoided:	N/A
Classes of Incompatible Materials:	Strong oxidizing agents
Hazardous Decomposition Products:	N/A

SECTION 11: Toxicological Information

Routes of Exposure:	Ingestion, eyes and skin contact
Delayed/Immediate/Chronic effects from short- and long-term exposure:	N/A
Numerical Measures of Toxicity:	This product has not been tested. Information provided here has been derived from substances/products of similar structure or composition. Oral LD50 (mg/kg body weight): No applicable information is available Dermal LD50 (mg/kg body weight): No applicable information is available Skin: Category 2 (Skin Irritant) Eye: Category 2A (Eye Irritant) Vapors (mg/L): No applicable information is available Gases (ppmV): No applicable information is available Carcinogenicity: No component of this product presents at level $\geq 0.1\%$ is identified as a carcinogen or potential carcinogen by OSHA
Description of Symptoms:	See Section 4. First Aid Measures
Listed in NTP Report on Carcinogens:	No

SECTION 12: Ecological Information

Environmental Impact:	Not determined
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SECTION 13: Disposal Considerations

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

Spill: If material released into the environment, the user should determine whether the spill should be reported to the appropriate local, state, and federal authorities.

SECTION 14: Transport Information

US Dot: NON-REGULATED MATERIAL
IATA: NON-REGULATED MATERIAL
IMO/IMDG: NON-REGULATED MATERIAL
Marine Pollutant: No

SECTION 15: Regulatory Information

<u>U.S. Federal Regulation:</u>		<u>International Regulations:</u>	
TSCA Registered:	Yes	European EU Classification:	Unknown
TSCA 5(a) SNUR:	No	Australian (AICS) Listing:	Unknown
SARA Title III Section 313:	This product does not contain material regulated under SARA Title III Sec 313	Japanese (MITI) Listing:	Unknown
R&D Exemption:	Unknown	Canadian (DSL) Listing:	Unknown
Other:		Philippines (PICCS) Listing:	Unknown
		Korean Inventory List:	Unknown
		China Inventory List:	
		Other:	
<u>Europe EU Requirement:</u>			
Europe Requirements:	Unknown		

SECTION 16: Other Information

This Terafirm SDS was prepared January 12, 2023.

HMIS Labeling:

1	Health
1	Flammability
0	Reactivity
B	Protective Equipment

Disclaimer: 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.