

SAFETY DATA SHEET

SECTION I: IDENTIFICATION

Product: Tri Foam - No Dye

Description: High Foam Detergent

Company Identification: Solutions² LLC
1621 N. 1st St.
Winterset, IA 50273
Phone: 515-493-1153
Website: www.Solutions2llc.com



Company Emergency Telephone Number: CHEMTREC 1-800-424-9300

SECTION II: HAZARD(S) IDENTIFICATION

GHS CLASSIFICATION

Skin Corrosion/Irritation: Category 2

Eye Damage/Eye Irritation: Category 2A

GHS LABEL ELEMENTS

Signal Word: Warning

Hazard Pictogram:



Hazard Statements: Causes skin irritation.
Causes serious eye irritation.

PRECAUTIONARY STATEMENTS

Prevention: Wash hands thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

RESPONSE

Eyes: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Skin: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water or shower.

Inhalation: Not applicable.

Ingestion: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Spill: Absorb spillage to prevent material damage.

Storage: Not applicable.

Disposal: Dispose of contents and container in accordance with local, state and federal regulations.

Hazards Not Classified: Not applicable.

Additional Information: Not applicable.

SECTION III: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Weight - %
Water	7732-18-5	78-83%
Cocoamidopropyl Betaine	61789-40-0	4-9%
Alpha-sulfo-omega-hydroxypoly(oxy-1-2ethanidiyl)C10-16Alkyn Ethers, Sodium Salts	68585-34-2	4-9%
Sulfonic Acids, C14-16-alkane hydroxy and C14-16-alkene, Sodium	68439-57-6	1-6%
Ethylene Glycol	107-21-1	3-7%

Specific chemical identity and/or exact percentage of mixture has been withheld as a trade secret.

SECTION IV: FIRST AID MEASURES

Eye Contact: Rinse with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical assistance if irritation persists.

Skin Contact: Immediately remove all contaminated clothing. Rinse with water or shower for at least 15 minutes. If irritation persists, IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.

Inhalation: Move victim to fresh air and keep at rest in a comfortable position for breathing. If symptoms persist, get immediate medical attention.

Ingestion: Rinse mouth. DO NOT INDUCE VOMITING. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Never give anything by mouth to an unconscious person.

SYMPTOMS OF EXPOSURE

Eye Contact: Pain, swelling, redness of the conjunctiva and tissue damage. Contact with eye may result in irritation.

Skin Contact: Redness, irritation, drying of skin.

Inhalation: Not likely to cause any irritation.

Ingestion: Irritation to mouth, throat and stomach. Pain, vomiting, nausea and diarrhea.

SECTION V: FIRE-FIGHTING MEASURES

Extinguishing Media: Product does not support combustion. Use extinguishing agent suitable for type of surrounding fire.

Specific Hazards from the Chemical: None known.

Hazardous Combustion Products: None known.

Protective Equipment / Precautions for Firefighters: Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

SECTION VI: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with skin, eyes, or clothing. Use personal protective equipment as required.

Environmental Precautions: Do not rinse spill onto the ground, into storm sewers or bodies of water.

Methods for Cleaning Up: If safe to do so, prevent further leakage or spillage. Contain and collect spillage with non-combustible absorbent material. Place in container for disposal according to local/national regulations (see Section 13).

SECTION VII: HANDLING AND STORAGE

Safe Handling: Under normal use according to label instructions, special protection should not be needed. Wear eye protection. Do not place product in unmarked container. Keep away from children. If product is spilled surface will become slippery.

Storage Conditions for Safe Storage, Including any Incompatibilities:

Store in cool well vented area. Avoid extreme temperatures.

SECTION VIII: EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits: None established.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
Ethylene Glycol	100 mg/m ³ / 10 mg/m ³ (TWA) NIC		

Engineering Controls: Ensure good general ventilation. Eye wash stations and shower facilities should be readily accessible in areas where product is handled.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Eye/Face Protection: Wear safety glasses.

Skin/Body Protection: Wear rubber or other chemical resistant gloves. Use of apron, boots and other protective equipment should be considered to prevent or minimize product exposure.

Respiratory Protection: Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use MSHA/NIOSH approved respirator according to conditions and chemicals in Section 3.

General Hygiene: Wash hands and any other exposed skin thoroughly after handling. For further guidance reference 29 CFR 1910.132-138.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Appearance / Color	Liquid / Brownish
Odor	Cherry
pH	7.0
Melting Point / Freezing Point	No information available
Boiling Point / Boiling Range	212° F
Flash Point	> 100° C / > 212° F
Evaporation Rate	No information available
Flammability (Solid, gas)	No information available
Upper Flammability Limit	No information available
Lower Flammability Limit	No information available
Vapor Pressure	No information available
Vapor Density	No information available
Specific Gravity	1.02 - 1.03
Solubility(ies)	No information available
Partition Coefficient	No information available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	No information available

SECTION X: STABILITY AND REACTIVITY

Reactivity: Product considered to be non-reactive under normal use conditions.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reaction: None known.

Conditions to Avoid: Extreme high or low temperatures.

Incompatible Material: Do not mix with other chemicals.

Hazardous Decomposition: This product not known to polymerize.

SECTION XI: TOXICOLOGICAL INFORMATION

NUMERICAL MEASURES OF TOXICITY

Acute Toxicity Estimates (ATE): ATEmix (oral): > 2,000 mg/kg
 ATEmix (dermal): > 2,000 mg/kg

INFORMATION ON TOXICOLOGICAL EFFECTS

Component Acute Toxicity:

Chemical Name	Oral LD50	Dermal LD50
Cocoamidopropyl Betaine	> 2,000 mg/kg (Rat)	> 2,000 mg/kg (Rabbit)
Alpha-sulfo-omega-hydroxypoly(oxy-1-2ethanidiyl) C10-16Alkyn Ethers, Sodium Salts	4,100 mg/kg (Rat)	> 2,000 mg/kg (Rat)
Sulfonic Acids, C14-16-alkane hydroxy and C14-16-alkene, Sodium	> 5,000 mg/kg: Calculation Method	
Ethylene Glycol		9,530 mg/kg (Rabbit)

Likely Routes of Exposure: Eyes, Skin, Ingestion, Inhalation.

SYMPTOMS OF EXPOSURE

Eye Contact: Pain, swelling, redness of the conjunctiva and tissue damage. Contact with eye may result in irritation.

Skin Contact: Redness, irritation, drying of skin.

Inhalation: Not likely to cause any irritation.

Ingestion: Irritation to mouth, throat and stomach. Pain, vomiting, nausea and diarrhea.

IMMEDIATE, DELAYED, CHRONIC EFFECTS

Product Information: Data not available or insufficient.

Target Organ Effects: Eyes, Respiratory System, Skin.

Carcinogenicity: No components present at 0.1% or greater are listed to be carcinogens by ACGIH, IARC, NTP or OSHA.

SECTION XII: ECOLOGICAL INFORMATION

ECOTOXICITY

Chemical Name	Algae/Aquatic Plants	Fish	Microtoxicity	Crustacea
Alpha-sulfo-omega-hydroxypoly (oxy-1-2ethanidiyl)C10-16Alkyn Ethers, Sodium Salts	27 mg/l, 72 hours	7.1 mg/l, 96 hours		7.2 mg/l, 48 hours
Sulfonic Acids, c14-16-alkane hydroxy and c14-16-alkene, Sodium		1-10 mg/l, 96 hours		1-10 mg/l, 48 hours
Ethylene Glycol		8,050-27,540 mg/l, 96 hours		

Persistence and Degradability: Not available.

Bioaccumulative Potential: Not available.

Mobility in Soil: Not available.

SECTION XIII: DISPOSAL CONSIDERATIONS

Disposal of Waste: Dispose of in accordance with federal, state and local regulations.

Contaminated Packaging: Dispose of in accordance with federal, state and local regulations.

SECTION XIV: TRANSPORT INFORMATION

DOT: Not regulated.

UN/ID #:

Proper Shipping Name: Cleaning, Cleaning Liquids, N.O.S.

Hazard Class:

Packing Group:

SECTION XV: REGULATORY INFORMATION**TSCA Status: (Toxic Substance Control Act Section 8(b) Inventory):**

All chemical components in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

SARA 313: This product does not contain listed substances above the "de minimus" level.

SARA 311/312 HAZARD CATEGORIES

Acute Health Hazard: No

Chronic Health Hazard: No

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactive Hazard: No

California Proposition 65: This product does not contain any Proposition 65 chemicals.

SECTION XVI: OTHER INFORMATION

Issue Date: 06/01/15

HAZARD RATINGS:

Version #: 1

NFPA:	Health: 1	Flammability: 0	Reactivity: 0
HMIS:	Health: 1	Flammability: 0	Physical Hazard: 0

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