

MATERIAL SAFETY DATA SHEET

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TST Probe Cleaner

Section 1- Chemical Product and Company Identification

Product Name: TST Probe Cleaner

Supplier: Camco Manufacturing, Inc.
121 Landmark Drive
Greensboro, NC 27409
1-800-334-2004

Product Use: Cleaning Agent

Product Code: 41146

Date of Preparation/Revision: October 14, 2014

In case of Emergency: 1-800-535-5053

Section 2- Hazards identification

Physical State: Liquid. [CLEAR, PURPLE, LIQUID WITH CHARACTERISTIC SOAPY ODOR]



Irritant

WARNING

GHS Classifications

Eye Damage / Irritation (Category 2B)
Acute Toxicity - Inhalation (Category 4)
Skin Damage / Irritation (Category 3)
Acute Oral Toxicity (Category 4)

Hazard Statements

H302 Harmful if swallowed
H316 Causes mild skin irritation
H320 Causes eye irritation
H332 Harmful if inhaled

Precautionary statements

P102 Keep out of reach of children
P233 Keep container tightly closed
P260 Do not breathe dust/fumes/gas/mist/vapors/spray
P264 Wash thoroughly after handling
P270 Do not eat, drink or smoke when using this product

Response statements

P330 Rinse mouth
P331 Do Not induce vomiting
P301 + P312 IF SWALLOWED: Call a Poison Center or Doctor/Physician if you feel unwell
P304 + P340 + P313 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P337 + P313 If eye irritation persist get medical attention
P332 + P313 If skin irritation persist get medical attention
P321 Specific treatment (see First Aid Measures on Safety Data Sheet)

Disposal

P501 Dispose of contents/container in accordance with local/regional/national regulations

WARNING! This product may be harmful or fatal if swallowed. This product is irritating to the eyes, respiratory system and skin. This product is an aqueous solution which will not burn. Irritating and toxic fumes and gases may be released upon thermal processing or during combustion.

Potential Health Effects: Eyes

Contact with the eyes can cause moderate irritation. Symptoms may include discomfort or pain and redness. Severe over exposure can result in swelling of the conjunctiva along with tissue damage which may lead to blindness.

Potential Health Effects: Skin

This product is irritating to the skin. Depending on the duration of contact, symptoms will include reddening, discomfort, irritation, and possible tissue damage. Repeated contact with this material may produce dermatitis.

Potential Health Effects: Ingestion

This product may be harmful or fatal if swallowed. If ingested, this product will immediately cause burns to the mouth, throat, esophagus and possibly the digestive tract. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. This product may cause methemoglobinemia upon ingestion characterized by cyanosis, headache, dizziness, fatigue, nausea, vomiting, drowsiness, stupor, coma and rarely death.

Potential Health Effects: Inhalation

This product is irritating to the respiratory system. Inhalation of vapors or mists of the product can cause sneezing, coughing and difficulty breathing.

Medical Conditions Aggravated by Exposure

Pre-existing skin and eye conditions.

HMIS Ratings: Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

See toxicological information (section 11)

Section 3 - Composition, Information on Ingredients

<u>Name</u>	<u>CAS Number</u>	<u>% Volume</u>
Linear Alcohol Ethoxylate	68439-46-3	2 - 5%
Sodium Alkylbenzene Sulfonate	68081-81-2	1 - 3%
Tetrasodium Ethylene Diamine Tetraacetate	64-02-8	5.0 - 10.0%

Component Related Regulatory Information

This product is not regulated as defined by 49CFR 172.101 by the US Department of Transportation.

Component Information/Information on Non-Hazardous Components

This product is considered to be non-hazardous under 29 CFR 1910.1200

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Section 4 - First Aid Measures

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

- Eye contact** Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.
- Skin contact** For skin contact, wash immediately with soap and water. If irritation persists get medical attention.
- Ingestion** If material is ingested, immediately contact a physician or poison control center. Do not induce vomiting. Dilute by giving water. Keep warm and quiet. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to a victim who is unconscious or is having convulsions.
- Inhalation** If inhaled, immediately remove the affected person to fresh air. If the affected person is not breathing, apply artificial respiration. If irritation persists get medical attention.
- Notes to Physician** Provide general supportive measures and treat symptomatically.

Section 5 - Fire-Fighting Measures

FLASH POINT: >210° F (>100° C) **METHOD USED:** TCC
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/A UPPER: N/A

General Fire Hazards

This product is an aqueous solution which will not burn. Non-Flammable

Hazardous Combustion Products

Decomposition may yield carbon dioxide compounds and oxides of nitrogen.

Extinguishing Media

Dry chemical, foam, carbon dioxide, water fog.

Fire Fighting Equipment/Instructions

Firefighters should wear full protective clothing including self contained breathing apparatus.

NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0 Other: none

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Section 6 - Accidental release measures

Containment Procedures

Stop the flow of material, if this is without risk. Wear appropriate protective equipment and clothing during clean-up. Contain the discharged material and dike the spilled material where possible. Prevent entry into sewers, drains, underground or confined spaces, water intakes and waterways.

Clean-Up Procedures

Absorb spill with inert material such as: lime, polypads, or other suitable absorbent material. Shovel the absorbed material into appropriate container for disposal.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

Special Procedures

Isolate exposure. Wear appropriate personal protective equipment. Follow all Local, State, Federal and Provincial regulations for disposal.

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Section 7- Handling and Storage

Handling Procedures

Open container carefully, as needed to relieve any build up of pressure. Do not get this material in your eyes, on your skin, or on your clothing. Do not inhale vapors or mists of this product. Use this product with adequate ventilation. Wash thoroughly after handling.

Storage Procedures

Store in a cool, dry area. Do not freeze. Store away from direct sunlight and any sources of heat. Empty product containers may contain product residue. Do not reuse empty containers. Do not store this material in open or unlabeled containers.

Section 8 - Exposure Controls / Personal Protection

Exposure Guidelines

A: General Product Information

Keep formation of airborne mists to a minimum.

B: Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Engineering Controls

Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear chemical goggles and face shield.

Personal Protective Equipment: Skin

Wear impervious (neoprene) gloves, impervious apron.

Personal Protective Equipment: Respiratory

If ventilation is not sufficient to effectively prevent buildup of vapors or mists, appropriate approved NIOSH respiratory protection must be provided. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2-1992). A written respiratory protection program, including provisions for medical certification, training, fit testing, exposure assessments, maintenance, inspection, cleaning, and convenient, sanitary storage must be implemented.

Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended. An emergency spill response will necessitate the use of more stringent personal protective equipment.

Section 9 - Physical and Chemical Properties

Appearance:	Clear Purple Translucent Liquid
Odor:	Mint Fragrance
Physical State:	Liquid
pH: (@59° F / 15° C)	10.0 to 12.0
Vapor pressure:	Not Applicable
Vapor density:	Not Applicable
Boiling Point:	>212°F (>100° C)

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Melting Point:	Not Determined
Solubility:	Completely
Specific Gravity: (@70° F / 21° C)	1.060
Freeze Point:	-31° F (-35° C)
Flash Point (TCC):	>210° F (>100° C)
Auto-ignition Temperature:	Not Determine
Flammable Limits in Air by Volume:	Not Determine
Evaporation Rate:	Similar to Water
Decomposition Temperature:	Not Available
Viscosity (cps):	Not Available
Percent Volatile:	< 4.0% by weight

Physical Properties: Additional Information

No additional information available

Section 10 - Stability and Reactivity

Chemical Stability

This is a stable material.

Chemical Stability: Conditions to Avoid

Avoid contact with extreme heat and incompatible materials.

Incompatibility

This product is incompatible with flammable and combustible materials, strong oxidizing agents.

Hazardous Decomposition

Decomposition may yield carbon dioxide, carbon monoxide and oxides of nitrogen.

Hazardous Polymerization

Will not occur.

Section 11 - Toxicological Information

Acute and Chronic Toxicity

General Product Information

No information available for the product.

This product may cause methemoglobinemia upon ingestion characterized by cyanosis, headache, dizziness, fatigue, nausea, vomiting, drowsiness, stupor, coma and rarely death.

Carcinogenicity

A: General Product Information

No carcinogenicity data available for this product.

B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

Chronic Toxicity

No information available for the product.

Epidemiology

No epidemiological data is available for this product.

Neurotoxicity

No data available for this product.

Mutagenicity

No data available for this product.

Teratogenicity

No data available for this product.

Other Toxicological Information

No additional information available.

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Section 12 - Ecological Information

Ecotoxicity

A: General Product Information

In high concentrations, this product may be harmful to both terrestrial and aquatic plant or animal life.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

Environmental Fate

No data available for this product.

Section 13 - Disposal Considerations

US EPA Waste Number & Descriptions

A: General Product Information

You must test your waste using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

Section 14 - Transport information

US DOT Information

This material is not hazardous as defined by 49CFR 172.101 by the US Department of Transportation.

IMDG

Refer to Current IMDG regulations for full shipping description requirements

IATA

This material is not prepared or packaged for air transportation

International shipping requirements must be determined by the party offering the material for transportation

Section 15 - Regulatory Information

U.S. Federal regulations

General Product Information

Product is listed under the TSCA. No additional information available.

United States inventory (TSCA 8b): This material is listed or exempted.

SARA 302/304/311/312 extremely hazardous substances: No products were found.

SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: No products were found

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean Air Act (CAA) 112 accidental release prevention: No products were found.

Clean Air Act (CAA) 112 regulated flammable substances: No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

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State regulations

Connecticut Carcinogen Reporting: This material is not listed.
Connecticut Hazardous Material Survey: This material is not listed.
Florida substances: This material is not listed.
Illinois Chemical Safety Act: This material is not listed.
Illinois Toxic Substances Disclosure to Employee Act: This material is not listed.
Louisiana Reporting: This material is not listed.
Louisiana Spill: This material is not listed.
Massachusetts Spill: This material is not listed.
Massachusetts Substances: This material is listed.
Michigan Critical Material: This material is not listed.
Minnesota Hazardous Substances: This material is not listed.
New Jersey Hazardous Substances: This material is listed.
New Jersey Spill: This material is not listed.
New Jersey Toxic Catastrophe Prevention Act: This material is not listed.
New York Acutely Hazardous Substances: This material is not listed.
New York Toxic Chemical Release Reporting: This material is not listed.
Pennsylvania RTK Hazardous Substances: This material is listed.
Rhode Island Hazardous Substances: This material is not listed
California Prop 65 Warning: This material is not listed

Additional Regulatory Information

A: General Product Information

All components are on the U.S. EPA TSCA Inventory List.

Section 16 - Other information

NFPA CODES: Health	1
Flammability	0
Reactivity	0

Note - NFPA ratings are based on a 0-4 rating scale with 0 representing minimal hazards or risks and 4 representing extreme hazards or risks.

Date of Preparation/Revision: October 14, 2014 (Supersedes all previous MSDS and SDS)

DISCLAIMER

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