

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

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SECTION 1

SUNNYSIDE CORPORATION
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EMERGENCY TELEPHONE

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FOR INFORMATION:

(847) 541-5700

- SUNNYSIDE CORPORATION
- CHEM TREC

Product Class: Surfactants
Trade Name: Sunnyside TSP Substitute

Manufacturer's Code:
NPCA HMIS:

643
HEALTH: 1
FLAMMABILITY: 0
REACTIVITY: 0

Product Appearance and Odor: Clear liquid; mild odor.

SECTION 2 -- HAZARDOUS INGREDIENTS

OCCUPATIONAL EXPOSURE LIMITS

INGREDIENT	CAS #	PERCENT	ACGIH TLV (TWA)	ACGIH TLV (STEL)	OSHA PEL (TWA)	OSHA PEL (STEL)	VAPOR PRESSURE
Tetrasodium salt of Ethylenediaminetetra-acetic acid	64-02-08		Not Est.		Not Est.		Equal to water
Sulfur-containing polyalkylene oxide	Not available		Not Est.		Not Est.		Not determined
Sodium Metasilicate Pentahydrate	6834-92-0		Not Est.		Not Est.		Not applicable

SECTION 3 -- EMERGENCY AND FIRST AID PROCEDURES

Inhalation:	Remove from exposure, and get medical attention.
Eye Contact:	Immediately flush eyes with large amounts of water for at least 15 minutes, forcibly holding lids apart to insure complete irrigation of all eye and lid tissue. Washing eyes within one minute is essential to achieve maximum effectiveness. Seek medical attention immediately, preferably from an ophthalmologist.
Skin Contact:	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Obtain medical attention if irritation persists. Discard non-rubber shoes.
Ingestion:	Get medical attention as soon as possible. Never give anything by mouth to an unconscious person.

SECTION 4 -- PHYSICAL DATA

The following data represent approximate or typical values. They do not constitute product specifications.

Boiling Range:	212° (F) - I.B.P.	Vapor Density:	Heavier than air
Evaporation Rate:	Slower than ether	% Volatile By Volume:	Not determined
Weight Per Gallon:	8.50 lbs.		
Solubility in Water:	Complete		

SECTION 5 -- FIRE AND EXPLOSION DATA

Flammability Classification:	Non-flammable
Flash Point:	Not applicable
Lower Explosive Limit:	Not applicable
Extinguishing Media:	Water spray, dry chemical, CO ₂ , alcohol foam.
Unusual Fire and Explosion Hazards:	Do not store or mix with strong oxidants.
Special Fire Fighting Procedures:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Use water spray to keep fire-exposed containers cool.

SECTION 6 -- HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:	See Section 2.
EFFECTS OF OVEREXPOSURE	
Eye Contact:	Will cause tissue destruction and eye damage if not treated.
Skin Contact:	May cause irritation and skin burns.
Ingestion:	Causes severe irritation and possible tissue damage to mucous membranes of the mouth, throat, esophagus and stomach.
Inhalation:	Vapors are unlikely due to physical properties.
Carcinogenicity:	The trisodium salt of EDTA did not cause cancer in laboratory animals and is not listed as carcinogen or potential carcinogen by the NTP, IARC, or OSHA. However, the trisodium salt of EDTA contains a very minute amount of trisodium salt of nitrilotriacetic acid and is listed by NTP as a potential carcinogen.

SECTION 7 -- REACTIVITY DATA

Stability:	Stable
Conditions to Avoid:	Prolonged excessive heat may cause product decomposition.
Incompatibility (Materials to Avoid):	This product is alkaline - avoid contact with acidic materials and strong oxidizing agents. Prolonged contact with metals such as aluminum, tin, lead and zinc may produce flammable hydrogen gas.
Hazardous Decomposition Products:	Sulfur oxides.
Hazardous Polymerization:	Will not occur.

SECTION 8 -- SPILL OR LEAK PROCEDURES

Steps to be taken in case material is spilled or released: Remove ignition sources, evacuate area, avoid breathing vapor or contact with liquid. Recover free liquid or stop leak if possible. Dike large spills and use absorbent material for small spills. Keep spilled material out of sewers, ditches and bodies of water.

Waste disposal method: Consult local, state and federal regulations before disposing of this material.

SECTION 9 -- SAFE HANDLING AND USE INFORMATION

Respiratory Protection:	Not normally required, but if vapor concentration becomes high, use self-contained air mask.
Ventilation:	Use adequate ventilation.
Protective Gloves:	Chemically resistant gloves.
Eye Protection:	Safety glasses should be worn.
Other Protective Equipment:	Eye wash and safety shower in work area.
Handling and Storage Precautions:	Do not store in aluminum container as flammable hydrogen gas can be generated. Do not use aluminum fittings or transfer lines. Avoid contact with acids.

SECTION 10 -- SPECIAL PRECAUTIONS

Dept. of Labor Storage Category: Hygienic Practices:	Non-flammable. Keep containers closed when not in use. Avoid eye contact. Avoid prolonged or repeated contact with skin. Wash skin with soap and water after contact.
Empty Container Warning:	"Empty" containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks or other sources of ignition. They may explode and cause injury or death. Do not attempt to clean since residue is difficult to remove. "Empty" drums should be completely drained, properly bunged and promptly returned to supplier or disposed of in an environmentally safe manner and in accordance with governmental regulations.

SECTION 11 -- ADDITIONAL INFORMATION

This product contains the following toxic chemical(s) which are 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:

TOXIC CHEMICAL	CAS #	APPROXIMATE % BY WEIGHT
Not Applicable	Not Applicable	Not Applicable

SARA Title III Hazard Categories: Immediate (Acute) Health, Delayed (Chronic) Health

Common Names: Water based cleaner/degreaser

California Proposition 65: The State of California has listed Nitrotriacetic Acid and its sodium salt under Proposition 65 as a chemical known to the State to cause cancer.

TRANSPORTATION

Not regulated by the U.S. D.O.T. as a hazardous material.