

Safety Data Sheet



Issue Date: 7-22-2021

1. IDENTIFICATION

Product Identifier:

Product Name: **Laundry Tech Laundry Detergent**

Recommended use of the chemical and restrictions on use: Laundry Detergent / No Restrictions

Safety Data Sheet Supplier Details:

Manufacturer Address:

Top Line Chemical Solutions, LLC
1923 John Crosland Jr. Drive
Charlotte, NC 28208

Company Phone Number:	1-980-309-0569
Emergency Telephone Number (24 hour)	INFOTRAC: 1-352-323-3500 (International)
	INFOTRAC: 1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance: Slightly Yellow Viscous Liquid
Physical State: Liquid
Odor: Fresh Clean

GHS Classification:

Acute Toxicity:	Harmful if swallowed
Eye Damage	Causes eye irritation
Aquatic Hazard:	Toxic to aquatic life, Long term

Hazard Statements:

- May be harmful if swallowed
- Causes eye irritation
- Toxic to aquatic life
- May cause respiratory irritation

GHS Label Element:

Hazard Pictograms



Precautionary Statements – Prevention

Wash face, hands and any exposed skin thoroughly after handling
Avoid release into environment
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements – Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and continue rinsing for a minimum of 15 minutes. If irritation persists, get medical attention.
IF ON SKIN: Remove any contaminated clothing touching skin and wash before reuse. Wash skin with plenty of soap and water. If skin irritation persists, get medical attention.

3. COMPOSITION

Chemical Name	CAS No	Weight-%
Tetrasodium EDTA	64-02-8	2-6%
Triethanolamine	102-71-6	1-2.5%
Diethanolamine	111-42-2	<1%
Sulfuric Acid, mono-C10-16-alkyl esters, sodium salts	68585-47-7	2-5%
Alcohols	67762-41-8	<1%

If Chemical Name/CAS No is “proprietary” and/or Weight % is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First Aid Measures:

- **General Advice** Provide SDS to medical personnel for treatment
- **Eye Contact:** IF IN EYES: Small amounts can cause tissue damage. Immediately rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and continue rinsing. If eye irritation persists: Get medical attention.
- **Skin Contact:** IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice. Take off contaminated clothing and wash before reuse.
- **Inhalation:** Remove to fresh air. Keep at rest in a position comfortable for breathing. If breathing is irregular or if respiratory arrest occurs get medical attention immediately.
- **Ingestion:** Clean mouth with water. Do not induce vomiting unless directed by medical professional. If ingestion of a large amount does occur, call a poison control center immediately.

Most Important symptoms and effects

- Symptoms: None applicable

Indication of any immediate medical attention and special treatment needed

NOTE TO PHYSICIAN – TREAT SYMPTOMATICALLY

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water fog or spray, Foam, Dry Powder, Carbon Dioxide.

UNSUITABLE EXTINGUISHING MEDIA: NOT DETERMINED.

Specific Hazards Arising from the Chemical

Hazardous Combustion Products: Carbon Dioxide (CO₂). Carbon Monoxide. Halogenated compounds. Sulfur oxides. Metal Oxide/Oxides.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- Personal Precautions: Use personal protective equipment as required.
- Environmental Precautions: See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

- Methods for containment: Prevent further leakage or spillage if safe to do so.
- Methods for Clean-Up: Absorb liquid with vermiculite or other absorbent materials. Dike to prevent material from reaching streams or other water sources. If runoff occurs notify proper authorities as required. Dispose of waste in accordance with local, state and federal laws.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling: Handle in accordance with good industrial hygiene and safety practices. Wear protective gloves/protective clothing and eye/face protection. Wash face, hands, and any exposed skin thoroughly after handling. Eating, drinking and smoking should be prohibited.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep container tightly closed and store in a cool, dry and well-ventilated place. Protect from freezing. Keep out of the reach of children. Do not re-use container.

Incompatible materials: None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	Value Type (form of Exposure)	Control Parameters/Permissible Conc.	Basis
Triethanolamine 102-71-6	TWA	5mg/m ³	ACGIH
Diethanolamine 111-42-2	TWA (inhalable fraction and vapor)	1mg/m ³	ACGIH
	TWA	3ppm/15mg/m ³	NIOSH/REL
	TWA	3ppm/15 mg/m ³	OSHA PO

Appropriate engineering controls

Engineering Controls: Apply technical measures to comply with the occupational exposure limits. Mechanical ventilation, eye-wash stations, showers where necessary.

Individual protection measures such as personal protective equipment

Eye/Face Protection: Safety Glasses, Goggles, Face Shield

Skin and Body Protection: Wear protective gloves and protective clothing

Respiratory Protection: Ensure adequate ventilation, especially in confined areas.

General Hygiene: Handle in accordance with good industrial hygiene and safety practices

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State: Liquid

Odor: None

Color: Clear

Odor Threshold: Not Determined

Property	Values	Remarks
<i>pH</i>	9.0	
<i>Melting Point/Freezing Point</i>	32 degrees Fahrenheit	
<i>Boiling Point/Boiling Range</i>	212 degrees Fahrenheit	
<i>Flash Point</i>	N/A	
<i>Evaporation Rate</i>	Not Determined	
<i>Flammability (Solid, Liquid, Gas)</i>	Not Flammable	
<i>Upper Flammability Limit</i>	Not Determined	
<i>Lower Flammability Limit</i>	Not Determined	
<i>Vapor Pressure</i>	Not Determined	
<i>Vapor Density</i>	Not Determined	
<i>Specific Gravity</i>	Not Determined	
<i>Water Solubility</i>	Yes, Not Determined	
<i>Solubility in other solvents</i>	Not Determined	
<i>Partition Coefficient</i>	Not Determined	
<i>Auto – Ignition Temperature</i>	Not Determined	
<i>Decomposition Temperature</i>	Not Determined	
<i>Kinematic Viscosity</i>	Not Determined	
<i>Dynamic Viscosity</i>	Not Determined	

<i>Explosive Properties</i>	Not Determined
<i>Oxidizing Properties</i>	Not Determined
<i>VOC Content</i>	Not Determined
<i>Density</i>	Not Determined

10. STABILITY AND REACTIVITY

Reactivity

Not Reactive under normal conditions

Chemical stability

Stable under recommended storage conditions

Possibility of hazardous reactions

None under normal processing

Conditions to avoid

Keep out of reach of children.

Incompatible materials

None Known

Hazardous decomposition products

Carbon Oxides, Nitrogen Oxides (NOx), toxic fumes

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

- Eye Contact: Avoid contact with eyes. May cause irritation/burns.
- Skin Contact: May cause mild irritation.
- Inhalation: Avoid breathing mists.
- Ingestion: May be harmful if swallowed.

Component Information: Delayed and immediate effects, chronic effects from short and long term exposure.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Tetrasodium EDTA 64-02-8	= 10 mg/kg (Rat)	--	--
Sodium Olefin Sulfonate 68439-57-6	= 2310 mg/kg (Rat)	= 6300 mg/kg (Rabbit)	—
Diethanolamine 111-42-2	=1600 mg/kg (Rat) LD50	—	—
Sulfuric Acid, monoC10-C16-alkyl esters, sodium salts 68585-47-7	= 1830 mg/kg (Rat) LD50	—	—
Alcohols, C10-16 67762-41-8	>5000 mg/kg (Rat) LDD50	>2000 mg/kg (Rabbit) LD50	>5 mg/L (Rat) LC50

Information on physical, chemical, and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms

Carcinogenicity:

IARC: Group 2B: Possibly Carcinogenic to humans (111-42-2 Diethanolamine)

OSHA: No component of this product present at levels greater than or equal to 0.1% is on the OSHA list of carcinogens

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NPT.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Large or frequent spills can have a harmful or damaging effect on the environment.

Components for Ecological Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Tetrasodium EDTA 64-02-8	1.01: 72h Desmodesmus Subspicatus mg/L EC50	41:96h Lepomis macrochirus mg/L LC 50 static 59.8:96h Pimephales promelas mg/L LC 50 static		610:24h Daphnia magna mg/L EC50
Sodium Olefin Sulfonate 68439-57-6		1.0-10.0:96h Brachydanio rerio mg/L LC50 static 12.2:96h Brachydanio rerio mg/L LC50 semi- static		
2-Propenoic acid, homopolymer, sodium salt	72h > 480 mg/L Skeletonema Costatum	96h >700mg/L LC50, Oncorhynchus mykiss		48h >1000 mg/L Daphnia Magna EC50

Alcohols, C10-C16 67762-41-8	1 mg/L: 72h EC50 Pseudokirchnerie lla subcapitata	>100mg/L: 96h LC50 Danio rerio		1 mg/L:48h EC50 Daphnia magna
Diethanolamine 111-42-2	96h: 86.96 mg/l EC50 static Pseudokirchnerie lla subcapitata	NOEC: Calculated >1mg/l		48h: 30.1 mg/l static EC50 Ceriodaphnia dubia NOEC 21d:0.78 mg/L Daphnia magna

Persistence/Degradability: Not Determined

Bioaccumulation: Not Determined

Mobility in Soil: Not Determined

Other Adverse Effects: Not Determined

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes: Disposal should be in accordance with local, state, and federal laws and regulations.

Contaminated Packaging: Disposal should be in accordance with local, state, and federal laws and regulations.

14. TRANSPORTATION INFORMATION

DOT: Not Regulated

IATA: Not Regulated

IMDG: Not Regulated

15. REGULATORY INFORMATION

International Inventories

Not Determined

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations: N/A

CERCLA: N/A

SARA 313: N/A

CWA (Clean Water Act): N/A

California Proposition 65

This product does not contain any Proposition 65 chemicals.

US State Right-To-Know Regulations

Chemical Name	Pennsylvania	New Jersey
N/A		

16. OTHER INFORMATION

NFPA

Health Hazard: Not Determined
Flammability: Not Determined
Instability: Not Determined
Special Hazards: Not Determined

HMIS

Health Hazard: 1
Flammability: 0
Physical Hazards: 0
Personal Protection: 0

Safety Data Sheet Revision Data

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet