



Revision Date: 23-Jul-2025

Safety Data Sheet

Spartan Chemical Company, Inc.

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name: TREE-Z
Product Code: 3171
Recommended Use: Cleaning agent
Uses Advised Against: For Industrial and Institutional Use Only

Manufacturer/Supplier: Spartan Chemical Company, Inc.
1110 Spartan Drive
Maumee, Ohio 43537 USA
800-537-8990 (Business hours)
www.spartanchemical.com

24 Hour Emergency Phone

Numbers:
Medical Emergency/Information: 888-314-6171
Transportation/Spill/Leak: CHEMTREC 800-424-9300

2. HAZARDS IDENTIFICATION

GHS Classification

Serious eye damage/eye irritation: Category 1
Specific target organ toxicity (single exposure): Category 3
Aspiration hazard: Category 1
Flammable liquids: Category 4

Label elements

Signal word:

Symbols:

Danger



Hazard statements:

Causes serious eye damage
May cause respiratory irritation
May be fatal if swallowed and enters airways
Combustible liquid

Physical hazards:

Precautionary Statements - Prevention:

Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
Wear protective gloves/clothing and eye/face protection

Precautionary Statements - Response:

Eyes:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a

Inhalation:

Ingestion:	POISON CENTER or doctor if you feel unwell.
-Specific Treatment:	IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.
Fire:	In case of fire: Use CO2, dry chemical, or foam for extinction
Precautionary Statements - Storage:	Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place.
Precautionary Statements - Disposal:	Dispose of contents and container in accordance with local, state and federal regulations.
Hazards not otherwise classified (HNOC):	Not applicable
Other hazards:	<ul style="list-style-type: none"> • Causes mild skin irritation • Contains petroleum distillates. Possible aspiration hazard. • Keep out of reach of children

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Soy Methyl Esters	67784-80-9	15-40
Ethyl Lactate	97-64-3	15-40
C13-14 Alkane	64742-47-8	15-40
Undeceth-3	34398-01-1	5-10
Undecanol	112-42-5	1-5

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

4. FIRST AID MEASURES

Eye contact:	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
Skin contact:	Wash with soap and water. If skin irritation occurs: Get medical attention.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or physician if you feel unwell.
Ingestion:	IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Do NOT induce vomiting.
Note to physicians:	Contains petroleum distillates. Possible aspiration hazard.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Dry chemical. Water spray (fog). Alcohol resistant foam. Carbon dioxide. Move containers from fire area if you can do it without risk.
Specific Hazards Arising from the Chemical:	Thermal decomposition can lead to release of toxic/corrosive gases and vapors. Vapors may travel to areas away from work site before igniting/flashing back to vapor source.
Hazardous Combustion Products:	May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
Protective Equipment and Precautions for Firefighters:	Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Remove all sources of ignition. 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:	Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

7. HANDLING AND STORAGE

Advice on safe handling: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond all lines and equipment associated with product system. All equipment should be non-sparking and explosion proof.

Storage Conditions: Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits: None established

Engineering Controls: Provide good general ventilation.
If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

Individual protection measures, such as personal protective equipment

Eye/face protection: Wear splash goggles. For severe use-conditions, wear a face shield over the goggles.

Skin and body protection: Wear rubber or other chemical-resistant gloves. (neoprene or nitrile is recommended).

Respiratory protection: Not required with expected use.
If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

General hygiene considerations: Wash hands and any exposed skin thoroughly after handling.
See 29 CFR 1910.132-138 for further guidance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state: Liquid

Color: Yellow

Odor: Bland

Odor Threshold: No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH:	Not Applicable	
Melting Point / Freezing Point:	No data available	
Boiling Point / Boiling Range:	> 149 °C / 300 °F	
Flash Point:	64 °C / 147 °F	ASTM D56
Evaporation Rate:	< 1	(Butyl acetate = 1)
Flammability (solid, gas):	No data available	No information available
Flammability Limits in Air:		No information available
Upper Flammability Limit:	No data available	
Lower Flammability Limit:	No data available	
Vapor Pressure:	No data available	No information available
Vapor Density:	No data available	No information available
Relative Density:	0.898	
Solubility(ies):	Soluble in water	
Partition Coefficient:	No data available	No information available
Autoignition Temperature:	Not applicable	
Decomposition Temperature:	Not applicable	
Kinematic Viscosity:	No information available	No information available
Particle characteristics:	Not applicable	

10. STABILITY AND REACTIVITY

Reactivity:	This material is considered to be non-reactive under normal conditions of use.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	Not expected to occur with normal handling and storage.
Conditions to Avoid:	Extremes of temperature and direct sunlight
Incompatible materials:	Strong oxidizing agents. Strong acids.
Hazardous decomposition products:	May include carbon monoxide, carbon dioxide (CO ₂) and other toxic gases or vapors.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Eyes, Skin, Ingestion, Inhalation.
Symptoms of Exposure:	
Eye contact:	Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage.
Skin contact:	Drying of the skin.
Inhalation:	Nasal discomfort and coughing.
Ingestion:	Harmful if swallowed. Pain, nausea, vomiting and diarrhea. Aspiration may cause pulmonary edema and pneumonitis.

Immediate, Delayed, Chronic Effects

Product Information: Data not available or insufficient for classification.

Acute toxicity

Numerical measures of toxicity:

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	3,634.60 mg/kg
ATEmix (dermal)	4,565.90 mg/kg
ATEmix (inhalation-dust/mist)	20.00 mg/l

Component Information:

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl Lactate 97-64-3	= 8200 mg/kg (Rat)	> 5 g/kg (Rabbit)	-
C13-14 Alkane 64742-47-8	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h
Undecanol 112-42-5	= 3 g/kg (Rat)	> 5 g/kg (Rabbit)	> 700 mg/m ³ (Rat) 6 h

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

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
C13-14 Alkane 64742-47-8	-	LC50: =45mg/L (96h, Pimephales promelas) LC50: =2.2mg/L (96h, Lepomis macrochirus) LC50: =2.4mg/L (96h, Oncorhynchus mykiss)	-	-
Undecanol 112-42-5	-	LC50: =1.04mg/L (96h, Pimephales promelas)	-	-

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

Mobility in Soil: No information available

Other adverse effects: No information available.

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused products: Dispose of in accordance with federal, state and local regulations.
Contaminated packaging: Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT: Not Regulated
Proper Shipping Name: Non Hazardous Product
Special Provisions: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

IMDG: Not Regulated
Proper Shipping Name: Non Hazardous Product

15. REGULATORY INFORMATION

TSCA (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances 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:	Yes
Chronic Health Hazard:	No
Fire hazard:	Yes
Sudden release of pressure hazard:	No
Reactive Hazard:	No

California Proposition 65

This product is not subject to warning requirements under California Proposition 65.

16. OTHER INFORMATION

NFPA	Health hazards: 2	Flammability: 2	Instability: 0	Special hazards: -
HMIS	Health hazards: 2	Flammability: 2	Physical hazards: 0	

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Revision Note: Section, 2, 5, 6, 7, 9, 11

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