



Safety Data Sheet

ZAP-OFF

Section 1. Identification

Product Use: TREE SAP REMOVER
Date Issue: 12/8/15 **Supersedes:** 3/8/15

Emergency Telephone Numbers: INFOTRAC 1-800-535-5053
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Section 2. Hazard(s) identification

HMIS Hazard Rating

0 = Insignificant

1 = Slight

2 = Moderate

3 = High

4 = Extreme

HEALTH	2	FLAMMABILITY	3	REACTIVITY	0	SPECIFIC HAZ.	0
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GHS label elements, including precautionary statements



Signal Word: DANGER !
 FLAMMABLE. CAUSES EYE AND SKIN IRRITATION.

Routes of Entry: Absorbed through skin. Eye contact. Inhalation. Ingestion.

Skin May cause skin irritation. May cause skin sensitization. May cause allergic reactions in certain individuals. Harmful if absorbed through the skin. Skin inflammation is characterized by itching, scaling, or reddening.

Inhalation Avoid breathing vapors, spray or mists. Over-exposure by inhalation may cause respiratory irritation. Can cause central nervous system (CNS) depression.

Ingestion Harmful if swallowed. Ingestion may cause nausea, weakness and central nervous system effects. Aspiration hazard if swallowed. Can enter lungs and cause damage.

NOTE: SDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

Chronic effects Prolonged or repeated contact may dry skin and cause irritation. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged inhalation of vapors may lead to chronic respiratory irritation. Overexposure of this product by inhalation or absorption can produce central nervous system depression resulting in headache, nausea and/or dizziness. Contains material which may cause damage to the following organs: kidneys, liver, central nervous system (CNS).

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients	CAS Number	Weight
ISOPROPYL ALCOHOL	67-63-0	40%-70%

Section 4. First Aid Measures

Eye Contact Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention immediately.

Skin Contact Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops.

Inhalation Move exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. If affected person is conscious, give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flash Point 80°F

Flammable Limits N/A

Flammability **FLAMMABLE.** (CSMA Method)

Fire hazard Flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion.

Fire-Fighting Procedures Use an extinguishing agent suitable for the surrounding fire. Fire-fighters should wear appropriate protective equipment. Cool closed containers exposed to fire with water. Do not release runoff from fire to sewers or waterways.

Section 6. Accidental Release Measures

Spills Eliminate all ignition sources. Put on appropriate personal protective equipment (see section 8). Stop leak if without risk. Move containers from spill area. **DO NOT FLUSH TO SEWER.**

Disposal Method Dispose of in accordance with state, federal, or local Regulations.

Section 7. Handling and Storage

Handling Put on appropriate personal protective equipment (see section 8). Store and use away from heat, sparks, open flame or any other ignition source. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wash thoroughly after handling. Do not reuse container.

Storage Eliminate all ignition sources. Store in original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection



Personal Protection

Eyes Safety Goggles, Face Shield.

Body Wear appropriate protective clothing to prevent skin contact. Recommended: Neoprene gloves. Rubber gloves. Nitrile gloves.

Respiratory Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

Section 9. Physical and Chemical Properties

Boiling Point	180°F
Vapor Pressure (@20OC)	4.4 kPa (@20°
Vapor Density (Air=1)	2.07
Solubility in H² O	Not Soluble
Specific Gravity	.87
Critical Temperature	455°F
pH	N/A
Appearance and Color	Clear Liquid – Solvent Odor

Section 10. Stability and Reactivity

Chemical Stability	Stable
Conditions to Avoid	Heat, Ignition sources, incompatible materials
Materials to Avoid	Reactive with oxidizing agents, acids, alkalis.
Hazardous Polymerization	None
Hazardous Decomposition Products	Reacts violently with hydrogen + palladium combination, nitroform, oleum, OCl ₂ , aluminum triisopropoxide, oxidants Incompatible with acetaldehyde, chlorine, ethylene oxide, isocyanates, acids, alkaline earth, alkali metals, caustics, amines, crotonaldehyde, phosgene, ammonia. Isopropyl alcohol reacts with metallic aluminum at high temperatures. Isopropyl alcohol attacks some plastics, rubber, and coatings. Vigorous reaction with sodium dichromate + sulfuric acid.

Section 11. Toxicological Information

RTECS#: NT8050000

CAS#

LD50/LC50:

CAS# 67-63-0:

Oral, mouse: LD50 = 3600 mg/kg;

Oral, rat: LD50 = 5045 mg/kg;

Skin, rabbit: LD50 = >6410 mg/kg;

Potential Acute Health Effects:

Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, sensitizer, permeator).

Potential Chronic Health Effects:

Slightly hazardous in case of skin contact (sensitizer). CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female, Development toxin [POSSIBLE]. The substance may be toxic to kidneys, liver, skin, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 12. Ecological Information

Ecotoxicity: Ecotoxicity in water (LC50): 100000 mg/l 96 hours [Fathead Minnow]. 64000 mg/l 96 hours [Fathead Minnow].

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13. Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Section 14. Transport Information

UN or NA Number NA1993
DOT Shipping Name Compounds, Cleaning Liquid, 3, PG II, FLAMMABLE

Required Label

Reportable Quantity None
Other Precautions ERG# 128

Section 15. Regulatory Information**Federal and State Regulations:**

Connecticut hazardous material survey.: Isopropyl alcohol **Illinois toxic substances disclosure to employee act:** Isopropyl alcohol **Rhode Island RTK hazardous substances:** Isopropyl alcohol **Pennsylvania RTK:** Isopropyl alcohol **Florida:** Isopropyl alcohol **Minnesota:** Isopropyl alcohol **Massachusetts RTK:** Isopropyl alcohol **New Jersey:** Isopropyl alcohol **New Jersey spill list:** Isopropyl alcohol **Director's list of Hazardous Substances:** Isopropyl alcohol **Tennessee:** Isopropyl alcohol **TSCA 8(b) inventory:** Isopropyl alcohol **TSCA 4(a) final testing order:** Isopropyl alcohol **TSCA 8(a) IUR:** Isopropyl alcohol **TSCA 8(d) H and S data reporting:** Isopropyl alcohol: **Effective date:** 12/15/86 **Sunset Date:** 12/15/96 **TSCA 12(b) one time export:** Isopropyl alcohol **SARA 313 toxic chemical notification and release reporting:** Isopropyl alcohol

Section 16. Other Information

The information on this data sheet represents our current data and best opinions as to the proper use and handling of this product under normal conditions. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any process is the responsibility of the user.