

Section I - Product and Company Identification

Product Name: Tip Blend Tip Softener
Chemical Name: N/A

Family: Solvent

Manufacturer: The Supply Source
 4500 Hiatus Road, Suite 207, Sunrise, FL

33351

Product Use: Solvent

954-742-9553

EMERGENCY Contact: CHEM-TEL Inc. At 800-255-3924 or 813-248-0573

Section II - Hazardous Ingredients

Chemical Identity	CAS Numbers	INCI Name	Exposure	Limits	Carcinogen	%
			OSHA TWA/STEL	ACGIH TWA/STEL		
ETHYL ACETATE	141 - 78 - 6	Ethyl Acetate	400 ppm	400 ppm	Not Listed	>30
ISOPROPYL ALCOHOL	67 - 63 - 0	Isopropyl Alcohol	400 ppm	400 ppm	Not Listed	>40
ISOBUTYL ACETATE	110 - 19 - 0	Isobutyl Acetate	150 ppm	150 ppm	Not Listed	>20
FRAGRANCE	-	-	-	-	-	-

N/E - None Established

N/R - Not Reviewed

N/DA - No Data Available

N/A - Not Applicable

Section III - Hazards Identification

EMERGENCY OVERVIEW

- May cause eye irritation.
- Flammable liquid and vapor.
- May cause skin irritation.
- Avoid prolonged or repeated breathing of gases, vapors or mist.

Potential Health Effects, Signs and Symptoms of Exposure:

Primary Route of Entry Inhalation, skin and ingestion.

Eye Liquid contact with eyes can cause irritation and possible corneal damage.

Skin Repeated/prolonged contact may cause drying of skin. Symptoms include redness, burning, drying, cracking and skin burns.

Ingestion Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting.

Inhalation Vapors are irritating to nasal passages and throat and may cause stupor or headache. Symptoms usually occur at air concentrations higher than the recommended exposure limits.

Sub-Chronic Effects Significant exposure to this chemical may adversely affect people with chronic disease or may cause damage to the respiratory system, skin and eyes.

NOTE: Refer to Section 11, Toxicological Information for Details

Section IV - First Aid Measures

First Aid for Eye Flush with water for 15 minutes, including under eyelids. Get medical help if discomfort persists.

First Aid for Skin Wash thoroughly with soap and water. Remove contaminated clothing. Get medical help if discomfort persists.

First Aid for Ingestion If individual is drowsy or unconscious, do not give anything by mouth; place individual on the leftside with head down. Seek medical attention for advice about whether to induce vomiting. If possible, do not leave individual unattended.

First Aid for Inhalation Remove to fresh air. If having breathing difficulty, give oxygen. If breathing has stopped, give artificial respiration. Seek medical attention if discomfort persists.

Section V - Fire Fighting Measures

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
68° F	LEL : 2 % ; UEL : 11.4 %	N/DA

Method:
 Extinguishing Media: Use CO2 or dry chemical for small fires or alcohol type aqueous film forming foam.
 Fire Fighting Instructions: If potential for exposure to vapors or products of combustion, wear complete personal protective equipment including self contained breathing apparatus, with full face operated in pressure demand. Fight fire from a safe distance/protected location.
 Unusual Hazards: Flammable. When exposed to heat and flame, material is a fire explosion hazard. Vapor is heavier than air and can travel considerable distance to source of ignition and flash back. Material creates a special hazard if it floats on water.

Section VI - Accidental Release Measures

Spill or Release Procedures: Evacuate area and eliminate all possible sources of ignition. Use self-contained breathing apparatus and protective clothing. Dike and absorb with inert materials (sand,soda,ash, vermiculite,etc.) and then transfer to proper containers for disposal, using non-sparking tools. Keep spills out of sewers and open bodies of water. Remove saturated clothing and wash affected areas with soap and water.

Section VII - Handling and Storage

Handling: Closed containers exposed to temperature above (120 ° F) in transit or storage may develop vapor pressure. Open containers slowly. Ground all metal containers when transferring material. Wash face and hands thoroughly with soap and water after handling and before eating, drinking or smoking.
 Storage: Store in a cool , well ventilated area away from heat, sparks and flame. Keep containers closed when not in use.
 Explosion Hazard: Flammable liquid. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

Section VIII - Exposure Controls / Personal Protective Equipment

Engineering Controls: Use process enclosures, local exhaust ventilation or other engineering controls to control airborne levels below recommended exposure limits. Use explosion- proof ventilation equipment.

Personal Protective Equipment

General: Use complete protective equipment , as specified below. Provide eye wash stations and showers.
 Eye/ Face Protection: Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type of safety glasses.
 Skin Protection: Wear chemical resistant neoprene or rubber gloves.
 Respiratory Protection: Use self contained breathing apparatus when needed.

Section IX - Physical and Chemical Properties

Appearance	Odor & Odor Threshold	pH	Specific Gravity	Viscosity	% Volatile
Clear, colorless, mobile liquid	fruity, pungent mix odor	N/A	(H2O = 1) :	N/A	W/W % : 99+

Boiling Point/	Decomposition	Octanol/Water	Vapor	Vapor	Evaporation	Ignition	Solubility
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Freezing Point	Temperature	Partitioning Coefficient Log Po/w	Pressure:	Density	Rate		In Water (20°C)
77 ° C	N/DA	N/DA	73 mm Hg @ 20 ° C	(Air=1): 3.0	(Butyl Acetate=1): 4.5	N/A	8.7 %

Section X - Stability and Reactivity

Stability:
Stable

Incompatibility (Materials to Avoid):
Oxidizing Agent i.e. Hydrogen peroxide , Nitric Acid , Perchloric Acid, Chromium Trioxide

Hazardous Decomposition Products:
Carbon Monoxide

Hazardous Polymerization:
Will not occur

Conditions to Avoid:
Heat, sparks , flame

Section XI - Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation – skin	Irritation - Eye
Mouse: LD50 = 3600 mg/kg;	N/ DA	Rat = 1030 ug/m3/16W	Skin, rabbit: LD50 = 12800 mg/kg.	N/ DA

Sensitization	Mutagenicity	Sub-chronic Toxicity
N/ DA	Rat = 1030 ug/m3/16W	N/ DA

Section XII - Ecological Information

Ecotoxicological Information

Acute Toxicity to Fish	Acute Toxicity to Invertebrates	Acute Toxicity to Algae	Bioconcentration	Toxicity to Sewage Bacteria
The LC50/96-hour values for fish are over 100 mg/l.	N/ DA	N/ DA	N/ DA	N/ DA

Chemical Fate Information

Biodegradability	When released into the soil, this material is expected to quickly evaporate. When released into the soil, this material may leach into groundwater. When released into the soil, this material may biodegrade to a moderate extent. When released to water, this material is expected to quickly evaporate. When released into the water, this material is expected to have a half-life between 1 and 10 days. When released into water, this material may biodegrade to a moderate extent. This material is not expected to significantly bioaccumulate.
Chemical Oxygen Demand	N/ DA

Section XIII - Disposable Concentrations

All notification , clean up and disposal should be carried out in accordance with Federal , State and Local government regulations. Mix with compatible chemical which is less flammable and incinerate.

Section XIV - Transport Information

DOT/ UN Shipping Name : UN 1993; Flammable liquid, n.o.s. Class 3, PG II

Section XV - Regulatory Information

US Federal Regulations

Clean Air Act: HAP/ODS	This product contains the following HAP's or ODS: None
Clean Water Act: Priority Pollutant	The following ingredients are listed as hazardous pollutants under the CWA: Isobutyl Acetate CAS #110-19-0. None of the ingredients are listed as primary pollutants nor are they listed as toxic pollutants.
FDA: Food Packaging Status	This product has not been cleared by the FDA for use in food packaging and / or other applications as an indirect food packaging additive.
Occupational Safety and Health Act	This product is considered to be hazardous under the OSHA Hazard Communication Standard. It's hazards are: Immediate (acute) health hazard, Fire hazard
SARA Title III: Section 302	This product contains no chemicals regulated under Section 302 as extremely hazardous substances.
SARA Title III: Section 304	This product contains chemicals regulated under Section 304 as extremely hazardous chemicals for emergency release notification ("CERCLA" List): Ethyl Acetate CAS #141 - 78 - 6, RQ (Lbs) 5000, Isobutyl Acetate CAS # 110-19-0 RQ (Lbs) 5000.
SARA Title III: Section 311-312:	This product is considered to be hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311 - 312 (40 CFR 370). Is hazards are: Immediate (acute) health hazard, Fire hazard
SARA Title III: Section 313:	This product contains the following chemicals 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: Isopropyl Alcohol CAS: 67-63-0
TSCA Section 8(b): Inventory:	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.
RCRA	This product contains the following chemicals considered to be hazardous waste under RCRA (40 CFR 261). Ethyl Acetate CAS #141 - 78 - 6 RCRA Code U112.

State Regulations

CA Right-to-Know Law:	Ethyl Acetate CAS #141-78-6, Isopropyl Alcohol CAS #67-63-0, Isobutyl Acetate CAS #110-19-0.
MA Right-to-Know Law:	Ethyl Acetate CAS# 141-78-6, Isopropyl Alcohol CAS #67-63-0, Isobutyl Acetate CAS #110-19-0.
NJ Right-to-Know Law:	Ethyl Acetate CAS# 141-78-6, Isopropyl Alcohol CAS #67-63-0, Isobutyl Acetate CAS #110-19-0.
PA Right-to-Know Law:	Ethyl Acetate CAS# 141-78-6, Isopropyl Alcohol CAS #67-63-0, Isobutyl Acetate CAS #110-19-0.
FL Right-to-Know Law:	Ethyl Acetate CAS# 141-78-6, Isopropyl Alcohol CAS #67-63-0, Isobutyl Acetate CAS #110-19-0.
MN Right-to-Know Law:	Ethyl Acetate CAS# 141-78-6, Isopropyl Alcohol CAS #67-63-0, Isobutyl Acetate CAS #110-19-0.

International Regulations

CDSL: Canadian Inventory (on Canadian Transitional List)	Ethyl Acetate CAS# 141-78-6, Isopropyl Alcohol CAS #67-63-0, Isobutyl Acetate CAS #110-19-0.
EINECS: European Inventory:	Isobutyl Acetate (203-745-1) <ul style="list-style-type: none"> Hazard Symbol (F), R Values (R11), S Values (S9, S16, S23, S29, S33) Ethyl Acetate (205-500-4) <ul style="list-style-type: none"> Hazard Symbol (XI F), R Values (R11, R36, R66, R67), S Values (S16, S26, S33) Isopropyl alcohol (200-661-7) <ul style="list-style-type: none"> Hazard Symbol (F), R Values (R11), S Values (S7, S16)

Section XVI - Other Information

Hazard Rating System

NFPA: Health = 2/Flammability = 3 /Reactivity = 0

HMIS: Health = 2 /Flammability/= 3 /Reactivity = 0

Product Number -

Approval Date: 2/20/01

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