

Section I - Product and Company Identification

Product Name: ANTIFUNGAL SOLUTION
Chemical Name: N/A

Family: N/A

Manufacturer: The Supply Source
 4500 Hiatus Road, Suite 207, Sunrise, FL 33351

Product Use: To prevent/treat fungal growth

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		
Heptane	142-82-5	Heptane	400 ppm	400 ppm	Not Listed	40
Ethyl Acetate	141-78-6	Ethyl Acetate	400 ppm	400 ppm	Not Listed	40
Isopropyl Alcohol	67-63-0	Isopropyl Alcohol	150 ppm	150 ppm	Not Listed	19.9
Tolnaftate	2398-96-1	Tolnaftate	N/DA	N/DA	Not Listed	0.1

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.
- May cause skin irritation.

Potential Health Effects, Signs and Symptoms of Exposure:

Primary Route of Entry Inhalation, skin contact, eye contact

Eye Exposure causes eye irritation. Symptoms include stinging, tearing, redness and swelling.

Skin Can cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may 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 Vapor and mist are irritating to mucous membranes. Breathing small amounts during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits.

Sub-Chronic Effects May cause headaches, nausea, vomiting and narcotic effect if over-exposed.

NOTE: Refer to Section 11, Toxicological Information for Details

Section IV - First Aid Measures

First Aid for Eye If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently for 15 min. with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

First Aid for Skin Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention.

First Aid for Inhalation Remove to fresh air. If breathing is difficult, administer oxygen. If symptoms persist, seek medical attention.

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

Section V - Fire Fighting Measures

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
TAG CLOSED 40° F	400 ppm	

Method:

Extinguishing Media: Foam, dry chemical, cold water spray.

Fire Fighting Instructions: Cool fire exposed containers with water, remove away from building. Use self-contained breathing apparatus to fight fire.

Unusual Hazards: When exposed to heat and flame, material is a fire explosion hazard. It may produce toxic products CO, Carbon dioxide and oxides of nitrogen.

Section VI - Accidental Release Measures

Spill or Release Procedures: Eliminate all sources of heat and ignition. Use absorbent material for spills and dike it, wash spill material into retaining containers. Place containers in well ventilated area.

Section VII - Handling and Storage

Handling: Keep containers cool and dry. Keep away from heat, light and ignition sources.

Storage: Store in well ventilated area. Store @ 70 + 15° F, allow some air space above liquid level. Keep containers closed while not in use.

Explosion Hazard: Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking or other ignition sources at locations distant from material handling point. 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

Eye/ Face Protection: Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other types of safety glasses.

Skin Protection: Wear resistant gloves. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protection: Use organic vapor mask and local exhaust vents.

Section IX - Physical and Chemical Properties

Appearance	Odor & Odor Threshold	pH	Specific Gravity	Viscosity	% Volatile
Clear liquid	Hydrocarbon odor	NA	(H2O=1):0.98		W/W % : 99+

Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure:	Vapor Density	Evaporation Rate	Ignition	Solubility In Water (20°C)
170° F			NA	(Air=1):1	NA	NA	Insoluble

Section X - Stability and Reactivity

Stability:

Stable

Hazardous Decomposition Products:

Heated material produce NO₂ , CO₂ , CO

Incompatibility (Materials to Avoid):

Avoid oxidizing agents, acids & bases (heat)

Hazardous Polymerization:

Will not occur

Conditions to Avoid:

Heat, flame, ignition sources.

Section XI - Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation - skin	Irritation - Eye
Mouse: LD50=4100 mg	N/DA	Mouse: LC50 = 45 gm/m ³ /2H	Rabbit LD50= >20 gm/kg	N/ DA
Sensitization	Mutagenicity	Sub-chronic Toxicity		
N/DA	Hamster fibroblast 9g/L sex chromosome Loss/Non-disjunction: S. cerevisiae 24400 ppm	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
Fathead Minnow: 230 mg/L 96Hdaphid LC50=2500 mg/L/96H	N/DA	N/DA	N/DA	N/DA

Chemical Fate Information

Biodegradability	May evaporate at a moderate extent in both soil and water. Half life of 1 day in water.
Chemical Oxygen Demand	N/DA

Section XIII - Disposable Concentrations

- Dispose of diking materials and absorbent in compliance with State, Local, and Federal regulations.

Section XIV - Transport Information

- DOT/UN Shipping Name: UN 1993, Flammable Liquid, n.o.s. (Heptane, ethyl acetate) Class 3, PG II

Section XV - Regulatory Information

US Federal Regulations:

Clean Air Act: HAP/ODS	This product contains the following HAP's/ODS: None
Clean Water Act: Priority Pollutant	The following ingredients are listed as hazardous pollutants under the CWA: None
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
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.
SARA Title III: Section 302	This product contains the following chemicals regulated under SARA 302: None
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.
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

