

## Section I - Product and Company Identification

**Product Name:** Light Seal  
**Chemical Name:** LACQUER

**Family:** TOP COAT

**Product Use:** NAIL TOP COAT

**Manufacturer:** The Supply Source  
 4500 Hiatus Road, Suite 207, Sunrise, FL  
 33351  
**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	40
Isobutyl Acetate	110 - 19 - 0	Butyl Acetate	150 ppm	150 ppm	Not Listed	30
Methyl Ethyl Ketone	78 - 93 - 3	Methyl Ethyl Ketone	200 ppm	200 ppm	Not Listed	7
Nitrocellulose	9004-70-0	Nitrocellulose	400 ppm	400 ppm	Not Listed	15
Isopropyl Alcohol	67-63-0	Isopropyl Alcohol	400 ppm	400 ppm	3/no/no	7
Acrylic Esters	N/E	N/E	N/E	N/E	Not Listed	2
Benzophenone	119-61-9	Benzophenone	N/E	N/E	Not Listed	1
D & C Violet # 2	81-48-1	D & C Violet #2	N/E	N/E	Not Listed	2ppm

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 mists.

### 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 minutes 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: 68 ° F	400 ppm	750 ° F - 900 ° F

Method:

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

Fire Fighting Instructions: Wear self-contained breathing apparatus and protective clothing. USE WATER WITH CAUTION. Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a safe distance and protected location.

Unusual Hazards: Flammable. When exposed to heat and flame, material is a fire explosion hazard. It may produce toxic products CO, Carbon dioxide and oxides of nitrogen. Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations.

## 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 area into retaining containers. Place containers in well ventilated area. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

## Section VII - Handling and Storage

Handling: Keep containers cool and dry. Keep away from heat, light and ignition sources. Avoid breathing high vapor concentrations. Avoid prolonged or repeated contact with skin. Use only with adequate ventilation. Wash thoroughly after handling.

Storage: Store in a 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: For open systems where contact is likely, wear long sleeves, chemical resistant gloves and chemical goggles. 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 resistant gloves. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protection: Use organic vapor mask and local exhaust.

## Section IX - Physical and Chemical Properties

Appearance	Odor & Odor Threshold	pH	Specific Gravity	Viscosity	% Volatile
Clear, viscous liquid	fruity ester odor	NA	(H2O=1):0.98	300-400 cps	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	N/DA	N/DA	N/DA	(Air=1):1	NA	NA	Insoluble

## Section X - Stability and Reactivity

### Stability:

Stable

### Hazardous Decomposition Products:

Heated material produces NO<sub>2</sub>, CO<sub>2</sub>, CO

### Conditions to Avoid:

Heat, flame, ignition sources.

### Incompatibility (Materials to Avoid):

Avoid oxidizing agents, acids & bases (heat)

### Hazardous Polymerization:

May occur

## Section XI - Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation - skin	Irritation - Eye
Oral LD50 (rat) : 3.2-6.4g/kg	Dermal LD50 (rabbit): >20mL/kg	Inhalation LC50 (rat) : 3500 - 8000 ppm/4 hours	Rabbit : slight	Rabbit : slight

Sensitization	Mutagenicity	Sub-chronic Toxicity
N/DA	N/DA	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
N/DA	N/DA	N/DA	N/DA	N/DA

### Chemical Fate Information

Biodegradability	N/DA
Chemical Oxygen Demand	N/DA

## Section XIII - Disposable Concentrations

Dispose of diking materials and absorbent in compliance with State, Local, and Federal regulations. Residual vapors may explode on ignition; do not cut, drill, or weld on or near the container. Mix with compatible chemical which is less flammable and incinerate.

## Section XIV - Transport Information

DOT/UN Shipping Name: UN 2059; Nitrocellulose Solution; Flammable, 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: Methyl Ethyl Ketone CAS #78-93-3 (HAP), Benzophenone CAS #119-61-9 (HAP). This product contains no ODS's.
Clean Water Act: Priority Pollutant	The following ingredients are listed as hazardous pollutants under the CWA: Isobutyl Acetate CAS #110-19-0, Isopropyl alcohol CAS #67-63-0. 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 additive.
Occupational Safety and Health Act	This product is considered to be hazardous under the OSHA Hazard Communication Standard. Its hazard are: Immediate (acute) health hazard Fire hazard
RCRA	This product contains chemicals considered to be hazardous waste under RCRA ( 40 CFR 261): Ethyl Acetate CAS #141 - 78 - 6 RCRA Code: U112, Methyl Ethyl Ketone CAS #78 - 93 - 3 RCRA Code: U159.
SARA Title III: Section 302	This product contains no chemicals regulated under Sec. 302 as extremely hazardous substances.
SARA Title III: Section 304	This product contains the following 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 Methyl Ethyl Ketone CAS #78-93-3 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 ). Its hazards are : Immediate ( acute ) health hazard Fire hazard
SARA Title III: Section 313:	This product contains the following chemical 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 . Methyl Ethyl Ketone, CAS #78 - 93 - 3, 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.

## State Regulations

CA Right-to-Know Law	Ethyl Acetate CAS 141 - 78 - 6 ; Methyl Ethyl Ketone CAS 78-93-3, Isopropyl Alcohol CAS 67-63-0, Nitrocellulose CAS #9004-70-0, Isobutyl acetate CAS #110-19-0.
MA Right-to-Know Law:	Ethyl Acetate CAS 141 - 78 - 6 ; Methyl Ethyl Ketone CAS 78-93-3, , Isopropyl Alcohol CAS 67-63-0, Nitrocellulose CAS #9004-70-0, Isobutyl acetate CAS #110-19-0.
NJ Right-to-Know Law:	Ethyl Acetate CAS 141 - 78 - 6 ; Methyl Ethyl Ketone CAS 78-93-3, , Isopropyl Alcohol CAS 67-63-0, Nitrocellulose CAS #9004-70-0, Isobutyl acetate CAS #110-19-0.
PA Right-to-Know Law:	Ethyl Acetate CAS 141 - 78 - 6 ; Methyl Ethyl Ketone CAS 78-93-3, Isopropyl Alcohol CAS 67-63-0, Nitrocellulose CAS #9004-70-0, Isobutyl acetate CAS #110-19-0.
FL Right-to-Know Law:	Ethyl Acetate CAS 141 - 78 - 6 ; Methyl Ethyl Ketone CAS 78-93-3, , Isopropyl Alcohol CAS 67-63-0, Nitrocellulose CAS #9004-70-0, Isobutyl acetate CAS #110-19-0.
MN Right-to-Know Law:	Ethyl Acetate CAS 141 - 78 - 6 ; Methyl Ethyl Ketone CAS 78-93-3, , Isopropyl Alcohol CAS 67-63-0, Benzophenone CAS #119-61-9, Nitrocellulose CAS #9004-70-0, Isobutyl acetate CAS #110-19-0.

## International Regulations

CDSL: Canadian Inventory (on Canadian Transitional List)	Ethyl acetate CAS #141-78-6 is on the DSL list. WHMIS = B2, D2B. Isobutyl acetate CAS #110-19-0 is on the DSL list. Methyl ethyl ketone CAS #78-93-3 is on the DSL list. WHMIS = B2, D2A. Nitrocellulose CAS #9004-70-0 is on the DSL list. WHMIS = B4, D2B, F. Isopropyl alcohol CAS #67-63-0 is on the DSL list. WHMIS = B2, D2B. Benzophenone CAS #119-61-9 is on the DSL list. D & C Violet #2 CAS #84-48-1 n/a
EINECS: European Inventory:	Isopropyl alcohol (200-661-7) <ul style="list-style-type: none"> <li>Hazard Symbol (F), R Values (R11), S Values (S7, S16)</li> </ul> MEK (201-159-0)

	<ul style="list-style-type: none"><li>• Hazard Symbol (XI F), R Values (R11, R36, R66, R67), S Values (S9, S16) Ethyl Acetate (205-500-4)</li><li>• Hazard Symbol (XI F), R Values (R11, R36, R66, R67), S Values (S16, S26, S33) Isobutyl acetate (203-745-1)</li><li>• Hazard Symbol (F), R Values (R11), S Values (S9, S16, S23, S29, S33) Benzophenone (204-337-6)</li><li>• Hazard Symbol (n/a), R Values (n/a), S Values (n/a) Nitrocellulose (200-315-5)</li><li>• Hazard Symbol (XN), R Values (R10, R20/21, R38), S Values (S25)</li></ul>
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## Section XVI - Other Information

Hazard Rating System

NFPA: Health = 1/Flammability = 3/Reactivity = 1

Product Number -

HMIS: Health = 1/Flammability/ = 3/Reactivity = 1

Approval Date: 11/29/2000

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