



# Material Safety Data Sheet

## PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** LIGHT CURED NAIL LIQUID

**Manufacture:** Tres Chic Nails  
P.O. Box 24500  
Rochester, NY 14624

**Telephone Number:** 585-247-6060

**Version Number:** 01  
**MSDS / Product Code:** 02400  
**Issued Date:** 01-01-08

**Fax Number:** 585-429-9897

## TELEPHONE NUMBERS – 24 HOUR EMERGENCY ASSISTANCE:

**Infotrac Domestic - 800-535-5053**

**Infotrac International - 352-323-3500**

## 1. COMPOSITIONAL INFORMATION

Chemical Identity	CAS Numbers	WT/WT %	ACGIH TLV/TWA	ACGIH TLV/STEL	OSHA PEL/TWA	OSHA PEL/CEILING	COMPANY RECOMMENDATION	SKIN
2-Hydroxyethyl Methacrylate	868-77-9	60.0-100.0	NE	NE	NE	NE	NE	NE
Trimethylolpropane Trimethacrylate	3290-92-4	10.0-40.0	NE	NE	NE	NE	NE	NE
Dibutyl Phthalate	84-74-2	0.0-10.0	5 mg/m <sup>3</sup>	NE	5 mg/m <sup>3</sup>	NE	5 mg/m <sup>3</sup>	NE
Trade Secret	NA	0.0-10.0	NE	NE	NE	NE	6 mg/m <sup>3</sup>	NE

Note this material contains an inhibitor (HQ, MEHQ, BHT, etc) at <1%. The type and amount meet product specifications. Contact manufacturer for exact concentration and details on inhibitor level maintenance.

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

Physical Hazards Unstable/Reactive upon depletion of inhibitor. **Check inhibitor levels periodically.**

#### ACUTE HAZARDS:

Eyes Liquid or high vapor concentration may cause irritation and possibly permanent injury. Irritation may include excessive tearing, blinking and redness.

Ingestion May be toxic. Swallowing significant amounts could cause irritation of mouth, throat and digestive tract, central nervous system depression.

Inhalation Liquid or high vapor concentration may cause irritation of the nose, throat and respiratory tract. Irritation may include coughing, mucous production and shortness of breath.

Skin Liquid or high vapor concentration may cause irritation, including redness and swelling. May also cause sensitization and allergic reaction in some individuals resulting in contact dermatitis, severe irritation, dryness and cracking. May cause delayed blistering. Expected to be a slight absorption hazard.

Chronic Hazards Prolonged exposure may lead to headaches, nausea, drowsiness and unconsciousness.

#### CARCINOGENICITY:

The monomers may contain substances known to the state of California to cause cancer and/or reproductive toxicity. Dibutyl Phthalate is listed by the EPA and OSHA as a possible carcinogen.



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None of the components of this material are listed by IARC, NTP, OSHA, or ACGIH as carcinogens.

PRIMARY ROUTES OF ENTRY: Inhalation, Skin or Eyes.

### 3. FIRST AID MEASURES

First Aid for Eye	If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. If irritation occurs, contact a physician.
First Aid for Ingestion	If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give anything by mouth to an unconscious person. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Get medical attention immediately.
First Aid for Inhalation	Remove to fresh air. Seek immediate medical attention.
First Aid for Skin	If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the effected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately.
Clothing:	Remove contaminated clothing, wash thoroughly before reuse.
Treatment:	Treat symptoms conventionally, after thorough decontamination.

### 4. FIRE FIGHTING MEASURES

<b>Flash Point (°F/°C)</b>	<b>Flammable Limit (air vol %)</b>	<b>Auto-ignition Temperature (vol%)</b>
205°F/96°C (Closed Cup)	LOWER	UPPER
228°F/109°C (Open Cup)	NA	NA
		NE

**Method:**

Extinguishing Media:	Chemical foam, carbon dioxide, dry chemical.
Fire and Explosion Hazards:	High temperatures, inhibitor depletion, accidental impurities, or exposure to radiation or oxidizers may cause spontaneous polymerizing reaction generating heat/pressure. Closed containers may rupture or explode during a runaway polymerization. Use a water spray or fog to reduce or direct vapors. Water may not be effective in actually extinguishing a fire involving this product.
Special Fire Fighting Procedures:	When involved in a fire, this product may ignite and decompose to produce carbon oxides. Do not enter fire area without proper protection. Fight fire from a safe location. Heat/impurities may cause pressure to build and/or rupture closed containers, spreading fire, increasing risk of burns/injuries. Structural firefighters must wear SCBAs and full protective equipment.
Sensitive to Mechanical Impact:	No
Sensitive to Static Discharge:	No

### 5. ACCIDENTAL RELEASE MEASURES

Accidental Release:	Before cleaning any spill or leak, individuals involved must wear appropriate Personal Protective Equipment (e.g., goggles, gloves). Deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g. sand or earth). Maximize ventilation (open doors and windows) and secure all sources of ignition. Place into appropriate closed container(s) for disposal in accordance with local, state and federal regulations. Wash all affected areas with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.
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## 6. HANDLING AND STORAGE

Handling	Use good, local ventilation with a minimum capture velocity of 100 ft/min (30 m/min) at point of monomer release. Refer to Industrial Ventilation: A Manual of Recommended Practice published by the American Conference of Governmental Hygienist. Avoid contact with skin, eyes and clothing. Use good personal hygiene and housekeeping. Observe precautions found on label. Do NOT use localized heat source such as band heaters to heat/melt product. Do NOT use steam. Hot boxes or hot rooms are recommended for heating the product which can be set at a maximum temperature of 60°C/140°F.
Storage	Store containers in a cool, dry location, away from direct sunlight, heat, sparks, flame, other light sources, or sources of intense heat. Keep container closed after each use. Check inhibitor levels periodically, adding to the bulk material if needed. Maintain at a minimum, the original 2-inch headspace in the product container and do not blanket or mix with oxygen-free gas as it renders the inhibitor ineffective.
Industrial Hygiene Practices	Avoid prolonged contact with the product. Use in a well-ventilated location (e.g., local exhaust ventilation, fans). After use, wash hands and exposed skin with soap and water. Do not eat, drink or smoke while handling product.

## 7. EXPOSURE CONTROLS/PERSONAL PROTECTIVE EQUIPMENT

Ventilation	Refer to Section 7 regarding the ventilation requirements for working with this product. Use local exhaust at processing equipment, including buffers, sanders, grinders and polishers. High temperature processing equipment should be well ventilated.
Respiratory Protection	A respirator should be worn whenever workplace conditions warrant a respirators use. None required if airborne concentrations are maintained below the exposure limit listed in Section 2. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134 or other appropriate governing standard.
Eye Protection	Depending on the use of this product, splash or safety glasses may be worn. If necessary, refer to U.S. OSHA 29 CFR §1910.133, or other appropriate governing standard. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.
Protective Gloves	If anticipated that prolonged & repeated skin contact will occur during use of this product, wear chemical resistant gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, or other appropriate governing standards.
Other Protective Equipment	No special body protection is required under typical circumstances of use and handling. If necessary, refer to appropriate governing standards. An eyewash station and a safety shower are recommended.



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## 8. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Odor & Odor Threshold	PH	Odor Threshold	Boiling Point/Freezing Point	Viscosity	Specific Gravity (H <sub>2</sub> O=1)
Clear, water white liquid	Mild ester-like odor	ND	ND	NE	NE	NE

Coefficient of Water/Oil Distribution	Vapor Pressure:	% Volatile W/W%:	Vapor Density (Air=1):	Evaporation Rate (BuAc=1)	Solubility In Water
NE	NE	NE	NE	NE	Miscible with water

## 9. STABILITY AND REACTIVITY

### Stability:

Unstable/Reactive upon depletion of inhibitor.

### Hazardous Decomposition Products:

Oxides of Carbon when burned.

### Conditions to Avoid:

High temperatures, localized heat sources (example drum or band heaters) oxidizing conditions, direct sunlight, ultraviolet radiation, inert gas blanketing.

### Incompatibility (Materials to Avoid):

Strong oxidizers, strong reducers, free radical initiators, inert gases, oxygen scavengers.

### Hazardous Polymerization:

May occur

## 10. TOXICOLOGICAL INFORMATION

### Target Organs

For Monomers:

None listed.

For Dibutyl Phthalate:

Kidneys, Central Nervous System, Eyes, Male Reproductive System.

### Toxicity Data:

This product has NOT been tested on animals to obtain toxicology data. There may be toxicology data for the components of the product, which is found in scientific literature. This data has not been presented in this document.

### Mutagenicity Data

For Trimethylolpropane

Trimethacrylate:

Mouse lymphoma studies indicate that this material may have a mutagenic potential. However the Ames assay for mutagenicity was negative. Therefore, there is reason to believe that the mouse lymphoma assay was a false positive.

For Dibutyl Phthalate:

Fibroblast Hamster

Cytogenetic Analysis: 125 mg/L/24H.

### Reproductive Toxicity Data

For Dibutyl Phthalate:

Intraperitoneal Rat

TD; 698 mg/kg 5-15D preg.



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## 11. ECOLOGICAL INFORMATION

Aquatic Toxicity: There is no specific data available for this product; however, very large releases of this product may be harmful or fatal to overexposed aquatic life.

Environmental Fate: There is no specific data available for this product.

## 12. DISPOSABLE CONSIDERATIONS

Waste Disposal Method: Contaminated product/soil/water may be RCRA/OSHA hazardous waste due to potential for internal heat generation (40 CFR 261 and 29 CFR 1910). After addition of excess inhibitor, dispose waste material in accordance with Federal, State, and Local regulations.

Disposal of Empty Containers: Reuse of empty drums or containers is not recommended. Employees should be advised of the potential hazards, due to residual material, associated with empty containers. Dispose of all empty containers properly, in accordance with Federal, State and Local regulations.

## 13. TRANSPORT INFORMATION

<b>DOT/UN Shipping Name:</b>	Plastics Material, NOI
<b>DOT/UN Class:</b>	
<b>NA/UN NUMBER:</b>	
<b>PACKING GROUP:</b>	
<b>LABEL:</b>	
<b>IMDG CLASS:</b>	
<b>IMDG PG:</b>	
<b>CERCLA RQ:</b>	

## 14. REGULATORY INFORMATION

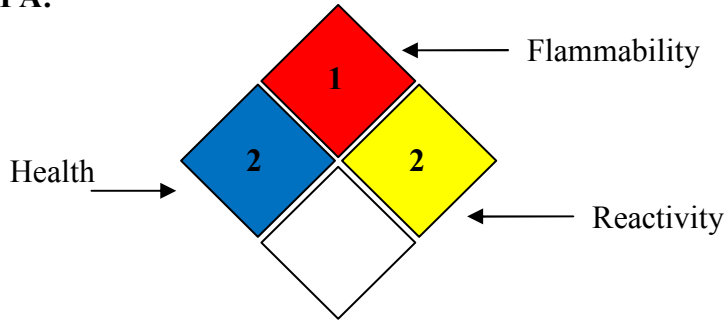
SARA Reporting Requirements	NA
SARA Threshold Planning Quantity	There are no specific Threshold Planning Quantities for the components of this product.
TSCA Inventory Status	The components of this product are listed on the TSCA Inventory.
CERCLA Reportable Quantity (RQ)	NA
Other Federal Requirements	This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR.
Other Canadian Regulations	This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List.
State Regulatory Information	This product may contain components that are covered under specific state criteria.
<b>RISK STATEMENTS</b>	R36/37/38 – Irritating to eyes, respiratory system and skin. R43 – May cause sensitization by skin contact
<b>SAFETY STATEMENTS</b>	S3 – Keep in a cool place. S7 – Keep container tightly closed. S9 – Keep container in a well-ventilated place. S16 – Keep away from sources of ignition – No Smoking. S20 – When using do not eat or drink. S 29 – Do not empty into drains. S37/39 – Wear suitable gloves and eye/face protection.

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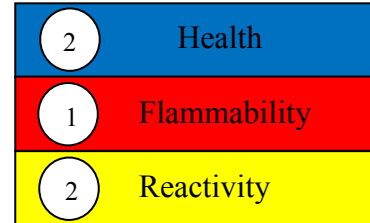
## 15. OTHER INFORMATION

Hazard Rating System (Pictograms)

**NFPA:**



**HMIS:**



Personal Protective Equipment: Gloves and Safety Glasses or Chemical Splash Goggles.

**ABBREVIATIONS:**

NA	Not Applicable	ND	Not Determined
NE	Not Established		
ppm	parts per million	G	Gallon
mg	Milligram	L	Liter
gm	Gram	mol	Mole
kg	Kilogram	μ	Micro
mm	Millimeter	p	Pico
Pa	Pascals	c	cento
LC	Lethal Concentration	LD	Lethal Dose
TC	Toxic Concentration	TD	Toxic Dose
BOD	Biological Oxygen Demand	COD	Chemical Oxygen Demand
Lo	Lowest	ThOD	Theoretical Oxygen Demand
TLm	Threshold Limit	IC	Inhibitory Concentration
DOC	Dissolved Organic Carbon		
H	Hours	M	Months
D	Days	Y	Years
W	Weeks		

**ABBREVIATIONS:**

ACGIH	American Conference of Governmental Industrial Hygienist
CPR	Controlled Product's Regulation
DSL	Canadian Domestic Substances List
NDSL	Canadian Non-domestic Substance List
IARC	International Agency for Research for Cancer
NOEL	No Observed Effect Level
NOAEL	No Observed Adverse Effect Level
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
TLV	Threshold Limit Value

**Disclaimer:**

The data contained herein is based upon information that Très Chic Nails believes to be reliable. Users of this product have the responsibility to determine the suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, express or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.