

Material Safety Data Sheet

ODORLESS LIQUID

Section 1 – Identification

Product Name: ODORLESS LIQUID

Chemical Name: N/A

Family: Monomers

Product Use: Nail liquid

Product #: 4020133

Manufacturer/Distributor:

Litrox Factory Investments LLC (443960-91)

US 8130 SW Portland, Oregon,

Beaverton-Hillsdale Highway 97225.

Section 2 – Hazards Identification

EMERGENCY OVERVIEW

This information may be based on findings from related or similar materials.

- May cause allergic skin reaction.
- Material may be slightly combustible.
- May cause eye irritation.
- May cause respiratory tract irritation.

Potential Health Effects, Signs and Symptoms of Exposure:

Primary Route of Entry Inhalation, skin, eyes

Eye Vapor concentrations may cause irritation of eyes. Liquid contact with eyes can cause irritation and possible corneal damage.

Skin Liquid concentration may cause moderate skin irritation. Repeated or prolonged contact may cause allergic skin rashes, itching and swelling which becomes evident on re-exposure to this product.

Ingestion Causes irritation, a burning sensation of the mouth, throat and respiratory tract and abdominal pain.

Inhalation High vapor concentrations may irritate the respiratory system. Prolonged exposure can lead to headaches, nausea, drowsiness and unconsciousness.

Sub-Chronic Effects Unlikely to present a cancer hazard in man.

NOTE: Refer to Section 11, Toxicological Information for Details

Section 3 - Composition/Information on Ingredients

Chemical Identity	CAS Numbers	EINECS#	INCI Name	Exposure	Limits	Carcinogen	%
				OSHA TWA/STEL	ACGIH TWA/STEL		
Polyethylene glycol monomethacrylate	25736-86-1	N/DA	N/DA	N/E	N/E	Not Listed	60-70
2-hydroxyethyl methacrylate	868-77-9	212-782-2	HEMA	N/E	N/E	Not Listed	10-20
Triethylene Glycol Dimethacrylate Esters	109-16-0	203-652-6	Triethyleneglycol Dimethacrylate	N/E	N/E	Not Listed	10-20
N,N-Dimethyl-p-toluidine	99-97-8	202-805-4	Dimethyltolylamine	N/E	N/E	Not Listed	0-5
D&C Blue #1	3844-45-9	223-339-8	CI 42090	N/E	N/E	Not Listed	0-1
N/E – None Established N/R – Not Reviewed	N/DA – No Data Available N/A – Not Applicable						
Polyethylene glycol monomethacrylate: Hazard Symbol – Xi Risk Phrases – R38				Safety Phrases – N/E			
2-Hydroxy ethyl methacrylate: Hazard Symbols – Xi Risk Phrases – R36/38, R43				Safety Phrases – S2, S26, S28			
Triethylene Glycol Dimethacrylate: Hazard Symbol – Xi Risk Phrases – R37, R43				Safety Phrases – S2, S24, S37			
N,N-dimethyl-p-toluidine: Hazard Symbol: T Risk Phrases: R23/24/25, R33, R52/53				Safety Phrases: S1/2, S28, S36/37, S45, S61			

See Section 16 for Risk and Safety Phrase Key

Section 4 – First Aid Measures

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

First Aid for Skin Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Seek medical attention if discomfort persists.

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

First Aid for Ingestion Rinse mouth out with water. Only induce vomiting if directed by a physician. Never give anything by

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mouth to an unconscious person. Seek prompt medical attention.

Section 5 – Fire Fighting Measures

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
TAG Closed: 200°F/93°C	LEL : N/DA; UEL : N/DA	N/DA

Method:

Extinguishing Media:	Use CO ₂ , dry chemical for small fires, or alcohol type aqueous film forming foam.
Fire Fighting Instructions:	Wear self-contained breathing apparatus and full protective gear. Water may be ineffective unless used as a fine spray or fog. Use water spray to cool the exposed containers of monomer.
Unusual Hazards:	Vapors may travel to source of ignition and flash back. Avoid ignition sources or excessive temperatures. Heat can induce polymerization with rapid release of energy. Closed containers may rupture explosively. Spontaneous polymerization may occur with prolonged aging.

Section 6 – 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 a well ventilated area. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as sawdust. Do not flush to sewer! US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802. EU Regulations require the consultation of Directive 98/24/EC. If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures.
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Section 7 – Handling and Storage

Handling	Keep away from heat, sparks, flames and other sources of ignition. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use with adequate ventilation. Ground all metal containers when transferring and use explosion-proof equipment. Follow all MSDS/label precautions even after the container is emptied because it may retain product residues. Wash thoroughly after handling.
Storage	Store in a cool, dry area. Keep container closed when not in use. Store at ambient temperatures out of direct sunlight. Store in a well ventilated place. Store in accordance with National Fire Protection Association recommendations. Maintain air space inside storage containers. Inhibitor requires air (oxygen) contact to function. Check inhibitor levels after 3 months and return to original level.
Explosion Hazard	Avoid ignition sources or excessive temperatures. Heat can induce polymerization with rapid release of energy. Closed containers may rupture explosively. Spontaneous polymerization may occur with prolonged aging.

Section 8 – Exposure Controls / Personal Protection

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.
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Personal Protective Equipment

General	To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132), or European Standard EN166 be conducted before using this product. Provide eye wash stations and safety showers. Wear impervious clothing to prevent ANY contact with this product, such as gloves, apron, boots, or whole body suit. Nitrile rubber is better than PVC.
Eye/ Face Protection	Use impermeable clothing to prevent ANY contact with this product, such as gloves, apron, boots, or whole body suit. Nitrile rubber is better than PVC.
Skin Protection	Wear resistant gloves. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.
Respiratory Protection	A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain limited circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by nuisance level organic vapor dust masks can be used, however the use

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of the respirator is limited. Follow OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

Section 9 – Physical and Chemical Properties

Appearance	Odor & Odor Threshold	pH	Specific Gravity	Viscosity	% Volatile		
Blue, semi-viscous liquid	Very slight, monomer odor	N/A	(H2O=1):	<1 mPas @ 20°C	W/W %:		
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)
N/DA	N/A	N/DA	mm Hg: 0.69 kPa @ 38 C	(Air =1): N/DA	(Butyl Acetate= 1): N/DA	N/A	g/100g @ 20 ° C
Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)					
TAG Closed: 200°F/93°C	LEL : N/DA; UEL : N/DA	N/DA					

Section 10 – Stability and Reactivity

Stability:

Stable

Hazardous Decomposition Products:

Oxides of carbon when burned.

Conditions to Avoid:

Temperatures above 60°F, oxidizing or reducing agents, peroxides and amines, storage in absence of inhibitor, and inadvertent addition of catalyst.

Incompatibility (Materials to Avoid):

Reducing and oxidizing agents and UV light.

Hazardous Polymerization:

May occur

Section 11 – Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation – skin	Irritation – Eye
No information available	No information available	No information available	No information available	No information available
Since this product contains a very low concentration of active components, the primary toxicological information is derived from the dimethacrylated monomers. Further hazardous properties cannot be excluded. The product should be handled with care when dealing with chemicals.				
Sensitization	Mutagenicity	Sub-chronic Toxicity		
No information available	No information available	No information available		

Section 12 – Ecological Information

Ecotoxicological Information

Acute Toxicity To Fish	Acute Toxicity to Invertebrates	Acute Toxicity to Algae	Bioconcentration	Toxicity to Sewage Bacteria
No information available	No information available	No information available	No information available	No information available

Chemical Fate Information

Biodegradability	No information available
Chemical Oxygen Demand	No information available

To the best of our knowledge, the ecotoxicological and chemical fate properties have not been thoroughly investigated. Do not allow to enter drinking water supplies, wastewater, or soil.

Section 13 – Disposal Considerations

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.

Generator must determine what is and what is not a hazardous waste. Please follow all regulatory guidelines when determining disposal options. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements. For EU Member States, please refer to any relevant Community provisions relating to waste. In their absence, it is useful to remind the user that national or regional provisions may be in force.

Section 14 – Transport Information

DOT (49 CFR 172)	
Proper Shipping Name:	Non-Regulated Material
Identification Number:	N/A
Marine Pollutant:	No
Special Provisions:	None
Emergency Response Guidebook (ERG) #:	N/A
IATA (DGR):	
Proper Shipping Name:	Non-Regulated Material
Class or Division:	N/A
UN or ID Number:	N/A
Packaging Instructions:	None
Emergency Response Guidance (ICAO)#:	N/A
IMO (IMDG):	
Proper Shipping Name:	Non-Regulated Material
Class or Division:	N/A
UN or ID Number:	N/A
Special Provisions & Stowage/Segregation:	None
Emergency Schedule (EmS)#:	N/A
Other Information:	Flash point = 93°C

Section 15 – Regulatory Information**US Federal Regulations**

Clean Air Act: HAP/ODS	This product contains no hazardous air pollutants (HAP) or ozone depleting substances (ODS) as defined by the U. S. Clean Air Act.
Clean Water Act:	This product contains no chemicals listed under the U. S. Clean Water Act Priority Pollutant List or Hazardous Substance list.
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 a hazardous chemical under the OSHA Hazard Communication Standard. Its hazards are: <ul style="list-style-type: none"> • Immediate (acute) health hazard
RCRA	This product is considered not to be a hazardous waste under RCRA (40 CFR 261).
SARA Title III: Section 302 (TPQ)	This product contains no chemicals regulated under Sec. 302 as extremely hazardous substances that carry a TPQ.
SARA Title III: Section 302 (RQ)	This product contains no chemicals regulated under Section 302/304 as extremely hazardous chemicals for emergency release notification ("CERCLA" List).
SARA Title III: Section 311-312:	This product is considered hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370). Its hazards are: <ul style="list-style-type: none"> • Immediate (acute) health
SARA Title III: Section 313:	This product contains the following substances 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: NONE
TSCA Section 8(b): Inventory:	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.
TSCA Significant New Use Rule:	None of the chemicals in this material have a SNUR under TSCA.


State Regulations

CA Right-to-Know Law: California No Significant Risk Level:	This product contains the following chemicals on the California Right-to-Know List: NONE NONE
FL Right-to-Know Law:	This product contains the following chemicals on the Florida Substance List: NONE
MA Right-to-Know Law:	This product contains the following chemicals on the Massachusetts Substance List: NONE
NJ Right-to-Know Law:	This product contains the following non-hazardous components subject to disclosure under New Jersey Right-To-Know legislation. NONE
PA Right-to-Know Law:	This product contains the following non-hazardous components subject to disclosure under Pennsylvania Right-to-Know legislation: NONE
MN Right-to-Know Law:	This product contains the following chemicals on the Minnesota Right-to-Know legislation: NONE

International Regulations

CDSL: Canadian Inventory (on Canadian Transitional List)	N,N-dimethyl-p-toluidine DSL regulatory status: Included, WHMIS: n/da Triethylene glycol dimethacrylate DSL regulatory status: Included, WHMIS: n/da Hydroxyethyl methacrylate DSL regulatory status: Included, WHMIS: D2A
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Labeling according to EC directives – 1999/45/EC

European Community: 	Crystal Nails Odorless Liquid: <ul style="list-style-type: none"> Hazard Symbols: Xi Risk Phrases: R36/37/38: irritating to eyes, respiratory system, and skin, R43: May cause sensitization by skin contact. Safety Phrases: S26: in case of contact with eyes, rinse immediately, S28A: after contact with skin, wash immediately with plenty of water, S45: in case of accident, or if you feel unwell, seek medical advise immediately (show the label where possible).
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Section 16 – Other Information**EU Classes and Risk / Safety Phrases for Referenced Ingredients (See Section 2):****Hazard Symbol:**

Xi – Irritant

T – Toxic substance or preparation

Risk Phrases:

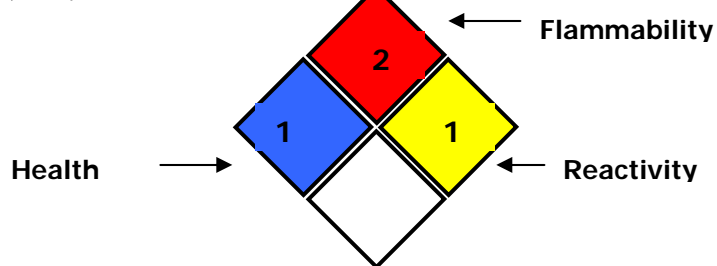
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed; R33 Danger of cumulative effects; R36/37 Irritating to eyes and respiratory system; R37 Irritating to respiratory system; R38 Irritating to skin; R43 May cause sensitization by skin contact; R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Safety Phrases:

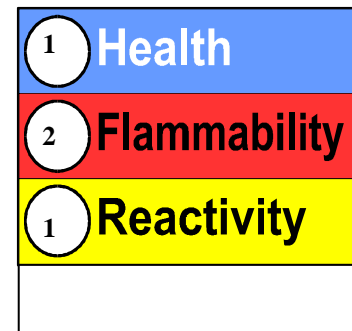
S(1/2) Keep locked up and out of the reach of children; S2 Keep out of the reach of children; S24 Avoid contact with skin; S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice; S28 After contact with skin, wash immediately with plenty of water; S36/37 Wear suitable protective clothing and gloves; S37 Wear suitable gloves; S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible); S61 Avoid release to the environment. Refer to special instructions/safety data sheet

Hazard Rating System (Pictograms)

NFPA:



HMIS:



MSDS Prepared by:

JRR

Revision History:

03/21/07	Initial Issue
09/18/08	Updated section 16
10/22/08	Updated Format
12/11/08	Updated Risk and Safety Phrases
03/09/09	Updated EINECS number of Blue#1 in section 2
03/17/09	Updated to meet Globally Harmonized System requirements. Added the EU address to section 1. Switched location of section 2 with section 3. Changed the title in sections 1,

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8, and 13. Moved MSDS preparation to section 16.

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