

Material Safety Data Sheet Crystal Nails TOPCOATS-HOLOGRAM var. col. Page 1 of 6**Section 1 – Identification****Product Name:** Crystal Nails TOPCOATS-HOLOGRAM var. col.**Chemical Name:** LACQUER**Family:** TOP COAT**Product Use:** NAIL TOP COAT**Product #:** 4020160**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 is based on findings from related or similar materials.

- 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 3 – Composition/Information on Ingredients

Chemical Identity	CAS Numbers	EINECS#	INCI Name	Exposure OSHA TWA/STEL	Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/OSHA	%
Isobutyl Acetate	110-19-0	203-745-1	Isobutyl Acetate	150 ppm	150 ppm	Not Listed	40-50
Ethyl Acetate	141 - 78 - 6	205-500-4	Ethyl Acetate	400 ppm	400 ppm	Not Listed	20-25
Hydroxy propyl cellulose	9004-64-2	N/E	Hydroxypropylcellulose	N/E	N/E	Not Listed	15-20
Isopropyl Alcohol	67-63-0	200-661-7	Isopropyl Alcohol	400 ppm	400 ppm	Not Listed	5-10
Methyl Ethyl Ketone	78 - 93 - 3	201-159-0	MEK	200 ppm	200 ppm	Not Listed	0-3
Xylene	1330-20-7	215-535-7	Xylene	100 ppm	100 ppm	3/no/no	0-1
D&C Violet # 2	81-48-1	N/E	CI60725	N/E	N/E	Not Listed	0-1
Benzophenone	119-61-9	204-337-6	Benzophenone	N/E	N/E	Not Listed	0-1
N/E – None Established	N/DA – No Data Available						
N/R – Not Reviewed	N/A – Not Applicable						

Isobutyl Acetate: Hazard Symbol – F Risk Phrases – R11, R66 Safety Phrases – S2, S16, S23, S25, S29, S33**Ethyl Acetate:** Hazard Symbol: F, Xi Risk Phrases: R11, R36, R66, R67 Safety Phrases: S2, S16, S26, S33**Isopropyl Alcohol:** Hazard Symbol – F, Xi Risk Phrases – R11, R36, R67 Safety Phrases – S2, S7, S16, S24/25, S26**Methyl Ethyl Ketone:** Hazard Symbols – Xi, F Risk Phrases – R11, R36, R66, R67 Safety Phrases – S2, S9, S16

See Section 16 for Risk and Safety Phrase Key

Section 4 – 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.

Material Safety Data Sheet Crystal Nails TOPCOATS-HOLOGRAM var. col. Page 2 of 6

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 left side with the head down. Seek medical attention for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Section 5 – Fire Fighting Measures

Flash Point(°F/°C)	Flammable Limit(vol%)	Auto-ignition Temperature(vol%)
TAG Closed: 68°F/20°C	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. Water spray may be used 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 a considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations.

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 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 skin thoroughly after handling.
Storage	Store in a well ventilated area. Store @ 70°F+/- 15°F (21°C+/-8°C), 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 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	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	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

Material Safety Data Sheet Crystal Nails TOPCOATS-HOLOGRAM var. col. Page 3 of 6

exposure limits. Protection provided by air purifying respirators is limited. Wear a NIOSH/MSHA or European Standard EN 149 approved full-face piece airline respirator in the positive pressure mode with emergency escape provisions. 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	VOC (g/L)	Specific Gravity	Viscosity	% Volatile	
Clear, viscous liquid	fruity ester odor	NA	755	(H ₂ O=1): 0.94	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
Flash Point(°F/°C)		Flammable Limit(vol%)		Auto-ignition Temperature(vol%)			
TAG Closed: 68°F/20°C		400 ppm		750°F- 900°F			

Section 10 – Stability and Reactivity**Stability:**

Stable

Hazardous Decomposition Products:Heated material produces NO₂ , CO₂ , CO**Conditions to Avoid:**

Heat, flame, ignition sources.

Incompatibility (Materials to Avoid):

Avoid oxidizing agents, acids & bases (heat)

Hazardous Polymerization:

May occur

Section 11 – 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
Since this product contains a mixture of active components, the primary toxicological information is derived from the acetates. Further hazardous properties cannot be excluded. The product should be handled with care when dealing with chemicals.				
Sensitization		Mutagenicity	Sub-chronic Toxicity	
N/DA		N/DA	N/DA	

Section 12 – 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

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. Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. 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:	UN1993, Flammable liquids, n.o.s., (ethyl acetate, isobutyl acetate), 3, PGII

Material Safety Data Sheet Crystal Nails TOPCOATS-HOLOGRAM var. col. Page 4 of 6

Identification Number:	UN1993
Marine Pollutant:	No
Special Provisions:	T8, T31
Emergency Response Guidebook (ERG) #:	128
IATA (DGR):	
Proper Shipping Name:	UN1993, Flammable liquids, n.o.s., (ethyl acetate, isobutyl acetate), 3, PGII
Class or Division:	3
UN or ID Number:	UN1993
Packaging Instructions:	
Emergency Response Guidance (ICAO)#:	3L
IMO (IMDG):	
Proper Shipping Name:	UN1993, Flammable liquids, n.o.s., (ethyl acetate, isobutyl acetate), 3, PGII
Class or Division:	3.2
UN or ID Number:	UN1993
Special Provisions & Stowage/Segregation:	None
Emergency Schedule (EmS)#:	307
Other Information:	Flash point = 20°C

Section 15 – Regulatory Information

US Federal Regulations

Clean Air Act: HAP/ODS	This product contains the following hazardous air pollutant (HAP), as defined by the U. S. Clean Air Act: <ul style="list-style-type: none"> Methyl Ethyl Ketone CAS# 78-93-3 Xylene CAS# 1330-20-7 Benzophenone CAS# 119-61-9 There are no ODS substances in this product.
Clean Water Act: HS/Priority Pollutant	This product contains the following chemicals listed under the U. S Clean Water Act Hazardous Substance List: <ul style="list-style-type: none"> Xylene CAS# 1330-20-7 Isobutyl acetate CAS# 110-19-0 The following chemicals are listed as primary pollutants: 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 additive.
Occupational Safety and Health Act	This product is considered to be hazardous under the OSHA Hazard Communication Standard. Its hazard are: <ul style="list-style-type: none"> Immediate (acute) health hazard Fire hazard
RCRA	This product contains the following chemicals considered to be hazardous waste under RCRA (40 CFR 261). <ul style="list-style-type: none"> Ethyl Acetate CAS# 141-78-6 RCRA Code: U112 Methyl Ethyl Ketone CAS# 78-93-3 RCRA Code: U159 Xylene CAS# 1330-20-7 RCRA Code: U239
SARA Title III: Section 302 (RQ)	This product contains no chemicals regulated under Sec. 302 as extremely hazardous substances.
SARA Title III: Section 302 (TPQ)	This product contains chemicals regulated under Section 304 as extremely hazardous chemicals for emergency release notification ("CERCLA" List). <ul style="list-style-type: none"> 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 Xylene, CAS #1330-20-7, RQ (Lbs) : 100
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: <ul style="list-style-type: none"> Immediate (acute) health hazard Fire hazard
SARA Title III: Section 313:	This product contains chemicals 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: <ul style="list-style-type: none"> Methyl Ethyl Ketone, CAS# 78-93-3 Xylene CAS# 1330-20-7 Isopropyl Alcohol CAS# 67-63-0
TSCA Section 8(b): Inventory:	This product contains chemicals listed on the TSCA inventory or otherwise complies with

Material Safety Data Sheet Crystal Nails TOPCOATS-HOLOGRAM var. col. Page 5 of 6

TSCA Significant New Use Rule:	TSCA premanufacture notification requirements. None of the chemicals in this material have a SNUR under TSCA.
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State Regulations

CA Right-to-Know Law:	Ethyl Acetate CAS #141-78-6, Xylene CAS #1330-20-7, Isobutyl Acetate CAS #110-19-0, Methyl Ethyl Ketone CAS 78-93-3, Isopropyl Alcohol CAS #67-63-0
MA Right-to-Know Law:	Ethyl Acetate CAS #141-78-6, Xylene CAS #1330-20-7, Isobutyl Acetate CAS #110-19-0, Methyl Ethyl Ketone CAS 78-93-3, Isopropyl Alcohol CAS #67-63-0
NJ Right-to-Know Law:	Ethyl Acetate CAS #141-78-6, Xylene CAS #1330-20-7, Isobutyl Acetate CAS #110-19-0, Methyl Ethyl Ketone CAS 78-93-3, Isopropyl Alcohol CAS #67-63-0
PA Right-to-Know Law:	Ethyl Acetate CAS #141-78-6, Xylene CAS #1330-20-7, Isobutyl Acetate CAS #110-19-0, Methyl Ethyl Ketone CAS 78-93-3, Isopropyl Alcohol CAS #67-63-0
FL Right-to-Know Law:	Ethyl Acetate CAS #141-78-6, Xylene CAS #1330-20-7, Isobutyl Acetate CAS #110-19-0, Methyl Ethyl Ketone CAS 78-93-3, Isopropyl Alcohol CAS #67-63-0
MN Right-to-Know Law:	Benzophenone CAS #119-61-9, Ethyl Acetate CAS #141-78-6, Xylene CAS #1330-20-7, Isobutyl Acetate CAS #110-19-0, Methyl Ethyl Ketone CAS 78-93-3, Isopropyl Alcohol CAS #67-63-0

International Regulations

CDSL: Canadian Inventory (on Canadian Transitional List)	Ethyl Acetate CAS #141-78-6 on DSL. WHMIS = B2, D2B Isobutyl Acetate CAS #110-19-0 on DSL. WHMIS = n/da Methyl Ethyl Ketone CAS #78-93-3 on DSL. WHMIS = B2, D2A Hydroxypropyl cellulose CAS #9004-64-2 on DSL. WHMIS = n/da Benzophenone CAS #119-61-9 on DSL. WHMIS = n/da Xylene CAS #1330-20-7 on DSL. WHMIS = n/da Isopropyl Alcohol CAS #67-63-0 is on the DSL List. WHMIS = n/da
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Labeling according to EC directives – 1999/45/EC

European Community:  	Crystal Nails TOPCOATS-HOLOGRAM var. col.: <ul style="list-style-type: none"> HAZARD SYMBOLS: Xn, F: Harmful, Highly Flammable RISK PHRASES: R11, highly flammable, R20/22: Harmful by inhalation and if swallowed, R36/37/38: Irritating to eyes, respiratory system and skin SAFETY PHRASES: S7/9: keep container tightly closed and in a well ventilated place, S16: keep away from sources of ignition- no smoking, S24/25: avoid contact with skin and eyes, S33: take precautionary measures against static discharges, S37/39: wear suitable gloves and eye/face protection, S45: In case of accident or if you feel unwell, seek medical advise immediately (show the label where possible)
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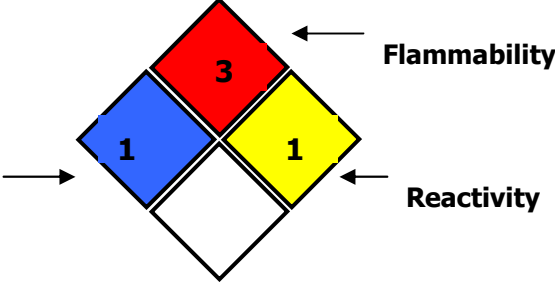
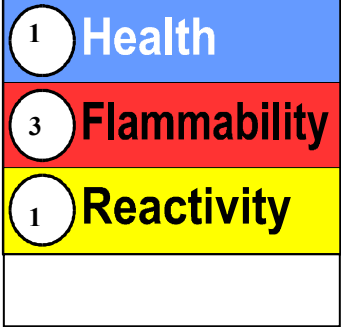
Section 16 – Other Information

EU Classes and Risk / Safety Phrases for Referenced Ingredients (See Section 2):

<p>Hazard Symbol: F – Flammable substance or preparation Xi – Irritant</p> <p>Risk Phrases: R11 Highly flammable; R36 Irritating to eyes; R66 Repeated exposure may cause skin dryness or cracking; R67 Vapors may cause drowsiness and dizziness</p> <p>Safety Phrases: S2 Keep out of the reach of children; S7 Keep container tightly closed; S9 Keep container in a well-ventilated place; S16 Keep away from sources of ignition – No smoking; S23 Do not breathe gas/fumes/vapour/spray; S24/25 Avoid contact with skin and eyes; S25 Avoid contact with eyes; S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice; S29 Do not empty into drains; S33 Take precautionary measures against static discharges</p>

Material Safety Data Sheet Crystal Nails TOPCOATS-HOLOGRAM var. col. Page 6 of 6

Hazard Rating System (Pictograms)

<p>NFPA:</p>  <p>Health →</p> <p>← Flammability</p> <p>← Reactivity</p>	<p>HMIS:</p> 
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MSDS Prepared by:	JRR
Revision History:	08/15/06 2 and 15.
	12/20/07 DOT Name update
	09/19/08 Updated section 16
	10/22/08 Updated Format
	12/11/08 Updated Risk and Safety Phrases, specific gravity, VOC
	02/11/09 Fixed the spelling of exposure in section 8
	02/16/09 Section 7 storage temperature
	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, 8, and 13. Moved MSDS preparation to section 16.
	02/01/10 Added international emergency phone number to section 1

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