

# Material Safety Data Sheet

# Crystal Nails UV Filter

## Section 1 – Identification

**Product Name:** Crystal Nails UV Filter

**Chemical Name:** Nail Laquer

**Family:** TOP COAT

**Product Use:** NAIL TOP COAT

**Product #:** 4020094

**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.

- **Flammable liquid and vapor!**
- May cause allergic skin reaction.
- May cause eye irritation.
- May cause respiratory tract 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 and 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 membrane. 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** It 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	Limits	Carcinogen	%
				OSHA TWA/STEL	ACGIH TWA/STEL		
Toluene	108-88-3	203-625-9	Toluene	200ppm	50ppm	3/No/No	35-45
Acrylates Copolymer	25035-69-2	N/E	Acrylates Copolymer	N/E	N/E	Not Listed	40-50
n-Butyl Acetate	123-86-4	204-658-1	Butyl Acetate	150 ppm	150 ppm	Not Listed	10-20
2,5-thiophenediylbis(5-tert-butyl-1,3-benzoxazole)	7128-64-5	230-426-4	Bis(T-butyl benzoxazolyl) Thiophene	N/E	N/E	Not Listed	0-1
D&C Violet #2	81-48-1	201-353-5	Violet 2/CI60725	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						

**Toluene:** Hazard Symbol – Xn, F Risk Phrases – R11, R38, R48/20, R63, R65, R67 Safety Phrases – S36/37, S46, S62

**n-Butyl Acetate:** Hazard Symbol: N/E Risk Phrases: R10, R66, R67 Safety Phrases: S2, S25

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 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.

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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	

**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 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 thoroughly after handling.
Storage	Store in 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	Facilities storing or utilizing this material should be equipped with an eye facility and safety shower. 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**

<b>General</b>	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.

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**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 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	VOC (g/L)	Specific Gravity	Viscosity	% Volatile	
Blue to Violet, viscous liquid	fruity ester like odor	N/A	463	(H <sub>2</sub> O=1): 0.967	N/DA	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(77°C)	N/DA	N/DA	N/A	(Air=1): 1	N/A	N/A	Insoluble
Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)					
TAG Closed: 68°F/20°C	400 ppm						

## Section 10 – Stability and Reactivity

**Stability:**

Stable

**Hazardous Decomposition Products:**Heated material produce NO<sub>2</sub> , CO<sub>2</sub> , CO**Conditions to Avoid:**

Heat, flame, ignition sources.

**Incompatibility (Materials to Avoid):**

Avoid oxidizing agents, acids &amp; bases (heat)

**Hazardous Polymerization:**

Will not 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
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

<b>Biodegradability</b>	No information available
<b>Chemical Oxygen Demand</b>	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.

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.

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## Section 14 – Transport Information

<b>DOT (49 CFR 172)</b>	
Proper Shipping Name:	UN1993, Flammable liquids, n.o.s., (toluene, butyl acetate), 3, PGII
Identification Number:	UN1993
Marine Pollutant:	No
Special Provisions:	T8, T31
<b>Emergency Response Guidebook (ERG) #:</b>	<b>128</b>
<b>IATA (DGR):</b>	
Proper Shipping Name:	UN1993, Flammable liquids, n.o.s., (toluene, butyl acetate), 3, PGII
Class or Division:	3
UN or ID Number:	UN1993
Packaging Instructions:	
<b>Emergency Response Guidance (ICAO)#:</b>	
<b>IMO (IMDG):</b>	
Proper Shipping Name:	UN1993, Flammable liquids, n.o.s., (toluene, butyl acetate), 3, PGII
Class or Division:	3.2
UN or ID Number:	UN1993
Special Provisions & Stowage/Segregation:	None
<b>Emergency Schedule (EmS)#:</b>	
<b>Other Information:</b>	<b>Flash point = 20°C</b>

## Section 15 – Regulatory Information

## US Federal Regulations

Clean Air Act: HAP/ODS	This product contains the following hazardous air pollutants (HAPs): <ul style="list-style-type: none"> <li>Toluene, CAS# 108-88-3</li> </ul> There are no ODS's (ozone depleting substances) as defined by the U. S. Clean Air Act.
Clean Water Act: Priority Pollutant	This product contains the following Hazardous Substances as defined by the CWA: <ul style="list-style-type: none"> <li>Toluene, CAS# 108-88-3</li> <li>Butyl Acetate, CAS# 123-86-4</li> </ul> Toluene can be found on the Priority Pollutant list. Toluene can be found on the Toxic Pollutant list per the CWA.
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"> <li>Immediate (acute) health hazard</li> <li>Fire hazard</li> </ul>
RCRA	This product contains chemicals considered to be hazardous waste under RCRA (40 CFR 261): <ul style="list-style-type: none"> <li>Toluene CAS# 108-88-3, RCRA Code U220</li> <li>May contain Characteristic of Ignitability: RCRA Code: D001</li> </ul>
SARA Title III: Section 302 (TPQ)	This product contains no chemicals regulated under Section 302 as extremely hazardous substances.
SARA Title III: Section 302 (RQ)	This product contains chemicals regulated under Section 302-304 as extremely hazardous chemicals for emergency release notification ("CERCLA" List): <ul style="list-style-type: none"> <li>Toluene CAS#: 108-88-3, RQ(Lbs)1000</li> <li>Butyl Acetate CAS#: 123-86-4, RQ(Lbs)5000</li> </ul>
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"> <li>Immediate (acute) health hazard</li> <li>Fire hazard</li> </ul>

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SARA Title III: Section 313:	This product contains the following chemicals which are 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"> <li>Toluene CAS#: 108-88-3</li> </ul>
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:	Toluene, CAS#108-88-3, Butyl Acetate CAS #123-86-4
California No Significant Risk Level:	NONE
MA Right-to-Know Law:	Toluene, CAS#108-88-3, Butyl Acetate CAS #123-86-4
NJ Right-to-Know Law:	Toluene, CAS#108-88-3, Butyl Acetate CAS #123-86-4
PA Right-to-Know Law:	Toluene, CAS#108-88-3, Butyl Acetate CAS #123-86-4
FL Right-to-Know Law:	Toluene, CAS#108-88-3, Butyl Acetate CAS #123-86-4
MN Right-to-Know Law:	Toluene, CAS#108-88-3, Butyl Acetate CAS #123-86-4

## International Regulations

CDSL: Canadian Inventory (on Canadian Transitional List)	Toluene CAS# 108-88-3 is on the DSL list. WHMIS = B2, D2B Butyl Acetate CAS #123-86-4 is on the DSL list. WHMIS = B2, D1B, D2B Acrylates Copolymer CAS # 25035-69-2 is on the DSL list. WHMIS = n/da 2,5-thiophenediylbis(5-tert-butyl-1,3-benzoxazole) CAS# 7128-64-5 is on the DSL List. WHMIS= n/da D&C Violet #2 CAS# 81-48-1 is not considered to be a controlled product under WHMIS.
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## Labeling according to EC directives – 1999/45/EC

European Community:	<b>Crystal Nails UV Filter:</b> <ul style="list-style-type: none"> <li>HAZARD SYMBOLS: <b>Xn, F: Harmful, Highly Flammable</b></li> <li>RISK PHRASES: <b>R11, highly flammable, R20/22: Harmful by inhalation and if swallowed, R36/37/38: Irritating to eyes, respiratory system and skin</b></li> <li>SAFETY PHRASES: <b>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)</b></li> </ul>
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## Section 16 – Other Information

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

<p><b>Hazard Symbol:</b> Xn – Harmful substance or preparation F – Flammable substance or preparation</p> <p><b>Risk Phrases:</b> R10 Flammable; R11 Highly flammable; R38 Irritating to skin; R41 Risk of serious damage to eyes; R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation; R63 Possible risk of harm to the unborn child; R65 Harmful: may cause lung damage if swallowed; R66 Repeated exposure may cause skin dryness or cracking; R67 Vapors may cause drowsiness and dizziness</p> <p><b>Safety Phrases:</b> S2 Keep out of the reach of children; S25 Avoid contact with eyes; S36/37 Wear suitable protective clothing and gloves; S46 If swallowed, seek medical advice immediately and show this container or label; S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label</p>
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## Hazard Rating System (Pictograms)

<b>NFPA:</b>  	<b>HMIS:</b>  
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MSDS Prepared by:	BSQ
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<b>Product Number - 4020094</b>	
Revision History:	05/01/05 - #2, added ingred. % range.
	12/20/07 DOT Name update
	09/19/08 Updated section 16
	09/29/08 Added part number
	10/22/08 Updated Format
	12/10/08 Updated Risk and Safety Phrases
	12/11/08 Updated Specific gravity and VOC
	03/04/09 Added 2 part numbers to section 1
	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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