

**Material Safety Data Sheet      CRYSTAL NAILS COLOR GELS****Section 1 – Identification of the Substance/Preparation and of the Company/Undertaking****Product Name:** COLOR GELS**Chemical Name:** N/A**Family:** UV GELS**GEL Type:** TYPE 4

MSDS Approval Date: 11/29/2000

MSDS Prepared by: BSQ

**Manufacturer:** Litrox Factory Investments LLC (443960-91)  
US 8130 SW Portland, Oregon,  
Beaverton-Hillsdale Highway 97225.**Product Use:** NAIL GEL**Product #:** various**Section 2 - Composition/Information on Ingredients**

Chemical Identity	CAS Numbers	EINECS#	INCI Name	Exposure	Limits	Carcinogen	%
				OSHA TWA/STEL	ACGIH TWA/STEL		
Polyurethane Acrylate Oligomer	Exempt	N/E	Polyurethane Acrylate Oligomer	N/E	N/E	Not Listed	70-80
Ethylene glycol dimethacrylate	97-90-5	202-617-2	Glycol HEMA-Methacrylate	N/E	N/E	Not Listed	20-30
Hydroxycyclohexyl phenyl ketone	947-19-3	213-426-9	Hydroxycyclohexyl phenyl ketone	N/E	N/E	Not Listed	3-5
Benzophenone	119-61-9	204-337-6	Benzophenone	N/E	N/E	Not Listed	3-5

**May Contain the following:**

Please see Section 16 for additional compounds

N/E - None Established

N/DA - No Data Available

N/R - Not Reviewed

N/A - Not Applicable

**Hazard Symbols:** Xi    **Risk Phrases:** R22, R36/38, R43    **Safety Phrases:** S18, S24/25, S36/37, S38**Section 3 - Hazards Identification****EMERGENCY OVERVIEW**

This information is based on findings from related or similar materials.

- May be slightly toxic.
- May cause moderate skin injury (reddening & swelling).
- May cause chemical burn in eye.

**Potential Health Effects, Signs and Symptoms of Exposure:****Primary Route of Entry**    No specific information available.**Eye**    No specific information available. Contains materials that are essentially nonirritating, but contact may cause slight transient irritation.**Skin**    No specific information available. Contains materials that may cause moderate skin injury (reddening and swelling) and/or sensitization. Prolonged contact may cause blister formation (burns). Since irritation may not occur immediately, contact can go unnoticed.**Ingestion**    No specific information available. Contains materials that may be practically nontoxic.**Inhalation**    No specific information available. Low volatility makes vapor inhalation unlikely. Aerosol can be irritating.**Sub-Chronic Effects**    No specific information available. Limited tests showed no evidence of teratogenicity in animals. A lifetime skin painting study with mice showed no evidence of carcinogenicity.

NOTE: Refer to Section 11, Toxicological Information for Details

**Section 4 - First Aid Measures****First Aid for Eye**    Flush with plenty of water for 15 minutes and seek medical attention.**First Aid for Skin**    Remove contaminated clothing and wash contact area with soap and water for 15 minutes.**First Aid for Inhalation**    In case of exposure to a high concentration of vapor or mist, remove person to fresh air. If breathing has stopped, administer artificial respiration and seek medical attention.**First Aid for Ingestion**    If appreciable quantities are swallowed, seek medical attention.

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## Section 5 - Fire Fighting Measures

Flash Point(°F/°C)	Flammable Limit(vol%)	Auto-ignition Temperature(vol%)
> 212°F/100°C Setaflash	No Data	No Data

**Method:**

Extinguishing Media:	Use carbon dioxide or dry chemical for small fires; aqueous foam or water for large fires.
Fire Fighting Instructions:	Remove all ignition sources. Wear self-contained breathing apparatus and complete personal protective equipment when entering confined areas where potential for exposure to vapors or products of combustion exists.
Unusual Hazards:	High temperatures and fire conditions may cause rapid and uncontrolled polymerization which can result in explosions and the violent rupture of storage vessels or containers. Avoid the use of a stream of water to control fires since frothing can occur.

## Section 6 - Accidental Release Measures

Spill or Release Procedures	Spontaneous polymerization can occur. Eliminate ignition sources. Use eye and skin protection. Place leaking containers in a well ventilated area. Dike and recover large spills. Soak up small spills with inert solids (such as vermiculite, clay) and sweep/shovel into disposal container. Wash spill area with strong detergent and water solution; rinse with water, but minimize water use during clean-up. 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. Dispose and report per regulatory requirements if necessary. Please prevent washings from entering waterways.
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## Section 7 - Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid breathing vapor. Keep container closed when not in use. Avoid prolonged exposure to light. Remove all contaminated clothing, shoes, belts and other leather goods immediately. Incinerate leather goods ( including shoes ). Wash contaminated clothing thoroughly before reuse. Wash skin thoroughly with soap and water after handling. Solvents should not be used to clean skin because of increased penetration potential.
Storage	Store in a cool place, away from heat and light. Store at temperatures below 100° F.
Explosion Hazard	High temperatures and fire conditions may cause rapid and uncontrolled polymerization which can result in explosions and the violent rupture of storage vessels or containers.

## Section 8 - Exposure Controls / Personal Protective Equipment

Engineering Controls	Local exhaust recommended to control exposure which may result from operations generating aerosols and hot operations generating vapors.
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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	Wear chemical splash goggles.
Skin Protection	Wear impervious gloves (Neoprene).
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	Specific Gravity	Viscosity	% Volatile		
White, mobile liquid	characteristic acrylate odor	NA	(H2O=1) : 1.15	N/DA	By Volume : < 0.5		
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/A	N/A	N/A	(mm Hg) @ 20°C:< 0.01	No Data	No Data	No Data	Insoluble

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<b>Flash Point(°F/C)</b>	<b>Flammable Limit(vol%)</b>	<b>Auto-ignition Temperature(vol%)</b>
> 212°F/100°C Setflash	No Data	No Data

## Section 10 - Stability and Reactivity

### Stability

Normally Stable

### Hazardous Decomposition Products:

Fumes produced when heated to decomposition may include: carbon monoxide, carbon dioxide.

### Conditions to Avoid:

Storage > 100° F , exposure to light, loss of dissolved air, loss of polymerization inhibitor, contamination with incompatible materials.

### Incompatibility (Materials to Avoid):

Polymerization initiators including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust and string bases.

### Hazardous Polymerization:

May occur -- Uncontrolled polymerization may cause rapid evolution of Heat and increased pressure that could result in violent rupture of sealed storage vessels or containers.

## Section 11 - Toxicological Information

<b>Acute Oral Toxicity</b>	<b>Acute Dermal Toxicity</b>	<b>Acute Inhalation Toxicity</b>	<b>Irritation - skin</b>	<b>Irritation - Eye</b>
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 oligomers. Further hazardous properties cannot be excluded. The product should be handled with care when dealing with chemicals.

<b>Sensitization</b>	<b>Mutagenicity</b>	<b>Sub-chronic Toxicity</b>
N/DA	N/DA	N/DA

## Section 12 - Ecological Information

### Ecotoxicological Information

<b>Acute Toxicity to Fish</b>	<b>Acute Toxicity to Invertebrates</b>	<b>Acute Toxicity to Algae</b>	<b>Bioconcentration</b>	<b>Toxicity to Sewage Bacteria</b>
N/DA	N/DA	N/DA	N/DA	N/DA

### Chemical Fate Information

<b>Biodegradability</b>	N/DA
<b>Chemical Oxygen Demand</b>	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 - Disposable Considerations

Non-contaminated, properly inhibited product is not a RCRA hazardous waste. It is the generators responsibility to determine what is classified as a hazardous waste. Comply with all federal, state, and local regulations.

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 14 - Transport Information

<b>DOT (49 CFR 172)</b>	
Proper Shipping Name:	Non-Regulated Material
Identification Number:	N/A
Marine Pollutant:	No
Special Provisions:	N/A
<b>Emergency Response Guidebook (ERG) #:</b>	N/A
<b>IATA (DGR):</b>	
Proper Shipping Name:	Non-Regulated Material
Class or Division:	N/A
UN or ID Number:	N/A
Packaging Instructions:	
<b>Emergency Response Guidance (ICAO)#:</b>	
<b>IMO (IMDG):</b>	
Proper Shipping Name:	Non-Regulated Material
Class or Division:	N/A
UN or ID Number:	N/A
Special Provisions & Stowage/Segregation:	None
<b>Emergency Schedule (EmS)#:</b>	
<b>Other Information:</b>	Flash point > 100°C

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## Section 15 - Regulatory Information


### US Federal Regulations

Clean Air Act: HAP/ODS	This product contains the following hazardous air pollutants (HAP and ODS's), as defined by the U.S. Clean Air Act: <ul style="list-style-type: none"> <li>Benzophenone, CAS# 119-61-9 (SOCMI)</li> </ul>
Clean Water Act: Priority Pollutant	This product contains no chemicals listed under the U. S. Clean Water Act Priority Pollutant 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"> <li>Immediate (acute) health hazard</li> <li>Delayed (chronic) health hazard</li> <li>Reactive hazard</li> </ul>
RCRA	This product is not considered 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.
SARA Title III: Section 302 (RQ)	This product contains no chemicals regulated under Section 304 as extremely hazardous chemical 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"> <li>Immediate (acute) health hazard</li> <li>Delayed (chronic) health hazard</li> <li>Reactive hazard</li> </ul>
SARA Title III: Section 313:	This product contains no 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.
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 listed have a SNUR under TSCA.

### State Regulations

CA Right-to-Know Law:	NONE
California No Significant Risk Rule:	NONE
MA Right-to-Know Law:	Titanium Dioxide CAS #13463-67-7.
NJ Right-to-Know Law:	Titanium Dioxide CAS #13463-67-7.
PA Right-to-Know Law:	Titanium Dioxide CAS #13463-67-7.
FL Right-to-Know	None
MN Right-to-Know	Benzophenone, CAS #119-61-9, Titanium Dioxide CAS #13463-67-7.

### International Regulations

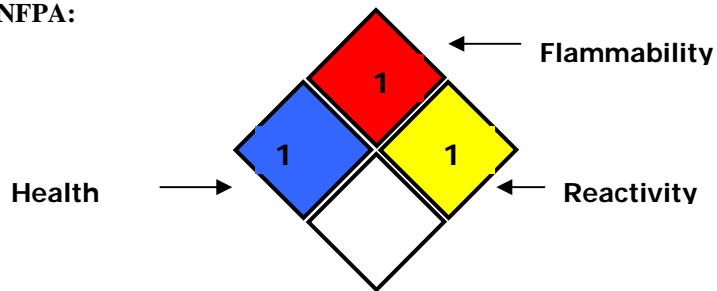
CDSL: Canadian Inventory (on Canadian Transitional List)	Titanium dioxide CAS # 13463-67-7 is on the DSL list. WHMIS = n/da Hydroxycyclohexyl phenyl ketone CAS #947-19-3 is on the DSL list. WHMIS = n/da Benzophenone, CAS #119-61-9 is on the DSL list. WHMIS = n/da Ethylene glycol dimethacrylate CAS #97-90-5 is on the DSL list. WHMIS = D2B.
EINECS: European Inventory: 	<b>Colored Gel:</b> <ul style="list-style-type: none"> <li><b>HAZARD SYMBOLS: Xi: Irritant</b></li> <li><b>RISK PHRASES: R22: Harmful if swallowed, R36/38: Irritating to eyes and skin, R43: May cause sensitization by skin contact.</b></li> <li><b>SAFETY PHRASES: S18: Handle and open container with care, S24/25: avoid contact with skin and eyes, S36/37: Wear suitable protective clothing and gloves, S38: in case of insufficient ventilation, wear suitable respiratory equipment.</b></li> </ul>

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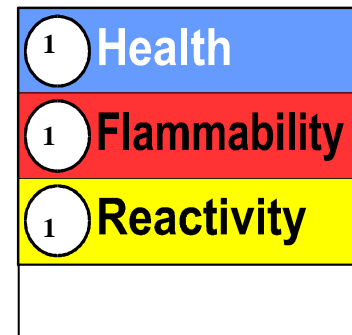
## Section 16 - Other Information

### Hazard Rating System (Pictograms)

NFPA:



HMIS:



9/21/04 Revised Sections since Last Version:	Overall format update and changes to section 2 & 16 % contents.
11/08/04 Revised Sections since Last Version:	Overall format update and changes to section 2 & 16 % contents.
01/10/06 Revised Sections since Last Version:	Update spelling in section 16.
05/22/06 Revised Sections since Last Version:	Update color index numbers in section 16.

### MAY CONTAIN THE FOLLOWING CHEMICALS:

Chemical Identity	CAS Numbers	EINECS#	INCI Name	Exposure OSHA TWA/STEL	Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/OSH A	%
Titanium Dioxide	13463-67-7	236-675-5	Titanium Dioxide/CI77891	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	3/no/no	0-1
PM Acetate	108-65-6	203-603-9	Methoxyisopropyl Acetate	N/E	N/E	Not Listed	0-1
Quinacridone Violet	1047-16-1	213-879-2	Pigment Violet 19/CI73900	N/E	N/E	Not Listed	0-1
Carbazole Violet	6358-30-1	228-767-9	Pigment Violet 23/CI51319	N/E*	N/E*	Not Listed	0-1
Phthalo Blue	147-14-8	205-685-1	Pigment Blue 15/CI74160	N/E	N/E	Not Listed	0-1
Carbon Black	1333-86-4	215-609-9	Carbon Black/CI77266	3.5 mg/m <sup>3</sup>	0.1 mg PAH's/m <sup>3</sup> carbon black in presence of polycyclic aromatic hydrocarbons (PAHs)	Group 2B / A-4 / Possible Select Carcinogen	0-1
Isoindoline Yellow	36888-99-0	N/E	Pigment Yellow 147 / CI56298	ND/A	ND/A	Not Listed	0-1
Yellow Iron Oxide	51274-00-1	N/E	Iron oxides/CI77492	N/E	N/E	Not Listed	0-1
Raw Umber	1309-37-1	215-168-2	Iron oxides/CI77491	N/E*	N/E*	Not Listed	0-1
Burnt Umber	1309-38-2	N/E	Iron Oxides/CI77489	N/E	N/E	Not Listed	0-1
Red Iron Oxide	1332-37-2	215-570-8	Iron Oxide/CI77491	N/E*	N/E*	Not Listed	0-1
Quinacridone Red	1047-16-1	213-879-2	Pigment Violet 19/CI73900	N/E	N/E	Not Listed	0-1
D&C Red 7	5281-04-9	226-109-5	Red 7/CI15850	N/E	N/E	Not Listed	0-1
Deep Red Organic	2786-76-7	N/E	Pigment Red 170 / CI12475	N/E*	N/E*	Not Listed	0-1
Synthetic Red Iron Oxide (maroon)	1309-37-1	N/E	Iron Oxides/CI77491	N/E	N/E	Not Listed	0-1
Phthalo Green	1328-53-6	215-524-7	Pigment Green 7/CI74260	N/E*	N/E*	Not Listed	0-1
D&C Orange No.4	633-96-5	211-199-0	Orange 4/CI15510	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
Mica	12001-26-2	N/E	Mica	N/E	3 mg/m <sup>3</sup>	Not listed	0-1

N/E - None Established

N/DA-No Data Available

N/R - Not Reviewed

N/A-Not Applicable

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