

Material Safety Data Sheet CRYSTAL NEW WHITE BUILDER GEL Page 1 of 5**Section 1 – Identification of the Substance/Preparation and of the Company/Undertakin**

Material / Item Name: New Builder White

MSDS#: KIG031703-PUW

Chemical Name: N/A

MSDS Initial Approval Date: 04/07/2003

MSDS Prepared by: BSQ

Family: UV GEL

GEL Type: TYPE 5

Manufacturer/Distributor: Litrox Factory Investments LLC (443960-91)

US 8130 SW Portland, Oregon,

Beaverton-Hillsdale Highway 97225.

Product Use: NAIL GEL

Product#: 4020053

Section 2 - Composition/Information on Ingredients

Chemical Identity	CAS#	EINECS#	INCI (or other substance) Name	Exposure OSHA TWA/STEL	Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/OSHA	%
Polyurethane Acrylate Oligomer	Exempt	N/E	Polyurethane Acrylate Oligomer	N/E	N/E	Not Listed	75-80
Tripropylene Glycol Diacrylate Esters (TPGDA)	42978-66-5	256-032-2	N/E	N/E	N/E	Not Listed	10-15
Ethoxylated Trimethylolpropane triacrylate esters (ETPTA)	28961-43-5	N/DA	N/E	N/E	N/E	Not Listed	3-5
Silicon Dioxide	60676-86-0	262-373-8	Silica	N/E	N/E	Not Listed	3-5
Hydroxycyclohexyl phenyl ketone	947-19-3	213-426-9	Hydroxycyclohexyl phenyl ketone	N/E	N/E	Not Listed	0-1
Benzophenone	119-61-9	204-337-6	Benzophenone	N/E	N/E	Not Listed	0-1
Titanium Dioxide	13463-67-7	236-675-5	CI77891	15 mg/m3	10 mg/m3	Group 3/No/No	0-1
D&C Violet #2	81-48-1	201-353-5	CI60725	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						

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 First Flush with plenty of water for 15 minutes and seek medical attention.

Aid for Skin First Aid Remove contaminated clothing and wash contact area with soap and water for 15 minutes.

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.

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First Aid for Ingestion If appreciable quantities are swallowed, seek medical attention.

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. Absorb with inert material and dispose of properly. Flush area with water; prevent washings from entering waterways.

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 When handling gel for product use, do not heat above 100°F/38°C or disassociation of silica in product may occur. Material is UV light sensitive, avoid prolonged exposure to light/heat.

Explosion Hazard Store in a cool place, away from heat and light. Store at temperatures below 100°F/38°C.

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.

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. A safety shower and eye wash facility should be readily available.

Eye/ Face Protection

Chemical splash goggles. Contact lenses should not be worn.

Skin Protection

Impervious gloves (Butyl rubber, Neoprene, and/or Nitrile).

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, viscous liquid	characteristic acrylate odor	NA	(H ₂ O=1) : 1.15	N/DA	By Volume : < 0.5			
Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vap Press mm	or ure: Hg	Vapor Density	Evaporation Rate	Ignition	Solubility In Water (20°C)

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N/A	N/A	N/A	@ 20 C : < 0.01	No Data	No Data	No Data	Insoluble
Flash Point (°F/°C)		Flammable Limit (vol%)		Auto-ignition Temperature (vol%)			
> 212°F/100°C Setflash		No Data		No Data			

Section 10 - Stability and Reactivity**Stability Incompatibility (Materials to Avoid):**

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

Hazardous Decomposition Products:

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

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.

Conditions to Avoid:

Storage >100°F/38°C, exposure to light, loss of dissolved air, loss of polymerization inhibitor, contamination with incompatible materials.

Section 11 - Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation - skin	Irritation - Eye
N/DA	N/DA	N/DA	N/DA	N/DA
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

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

DOT (49 CFR 172)	
Proper Shipping Name:	Non-Regulated Material
Identification Number:	N/A
Marine Pollutant:	No
Special Provisions:	N/A
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:	
Emergency Response Guidance (ICAO)#:	
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)#:	
Other Information:	Flash point > 100°C

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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"> Benzophenone (SOCMI Chemical). This product does not contain any Class 1 or Class 2 ODS.
Clean Water Act: Priority Pollutant	This product contains the following Hazardous Substances as defined by the CWA: <ul style="list-style-type: none"> NONE This product does not contain any substances that are a Priority Pollutant or Toxic Pollutant under 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 a hazardous chemical under the OSHA Hazard Communication Standard. Its hazards are: <ul style="list-style-type: none"> Immediate (acute) health hazard Delayed (chronic) health hazard <u>Reactive hazard</u>
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 that carry a TPQ.
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"> Immediate (acute) health hazard Delayed (chronic) health hazard <u>Reactive hazard</u>
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. None of the chemicals listed have a SNUR under TSCA.

State Regulations	Silicone Dioxide CAS#60676-86-0.
CA Right-to-Know Law: California No Significant Risk Rule:	NONE
MA Right-to-Know Law:	Silicone Dioxide CAS#60676-86-0.
NJ Right-to-Know Law:	Silicone Dioxide CAS#60676-86-0.
PA Right-to-Know Law:	Silicone Dioxide CAS#60676-86-0.
FL Right-to-Know	Silicone Dioxide CAS#60676-86-0.
MN Right-to-Know	Benzophenone CAS #119-61-9, Silicone Dioxide CAS#60676-86-0.

International Regulations

CDSL: Canadian Inventory (on Canadian Transitional List)

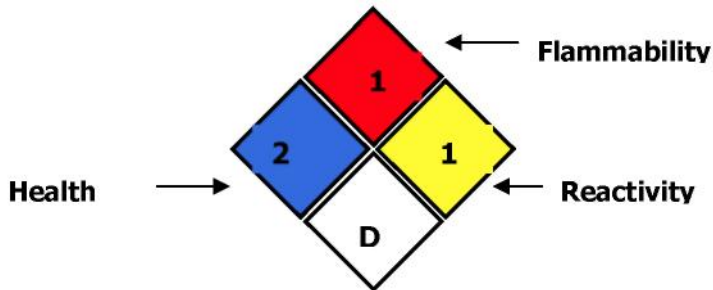
Benzophenone CAS #11-61-9 is on the DSL list. WHMIS = n/da
Hydroxycyclohexyl phenol ketone CAS # 947-19-3 is on the DSL list. WHMIS = n/da
Tripropylene Glycol Diacrylate Esters (TPGDA) CAS #42978-66-5 is on the DSL list. WHMIS= n/da
Ethoxylated Trimethylolpropane triacrylate esters (ETPTA) CAS# 28961-43-5 is on the DSL list. WHMIS= n/da
Silicone Dioxide CAS#60676-86-0 is on the DSL list. WHMIS = n/da
Titanium Dioxide CAS #13463-67-7 is on the DSL list. WHMIS = n/da

EINECS: European Inventory:

**Crystal Nails New Builder White Gel:**

- HAZARD SYMBOLS: **Xi: Irritant**
- RISK PHRASES: **R22: Harmful if swallowed, R36/38: Irritating to eyes and skin, R43: May cause sensitization by skin contact.**
- 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.**

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2	Health
1	Flammability
1	Reactivity
*D	

NFPA:

* - Respiratory protection may be necessary depending on conditions of use. Refer to Section VIII of this MSDS for respiratory protection guidelines.

OSHA PEL for nuisance dust: 15 mg/m³ (total dust)
5 mg/m³ (respirable dust)

ACGIH PEL for nuisance dust: 10 mg/m³

Revised Sections since Last Version: | 11/24/04 Update section 2 contents and format updates throughout.

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