

# Material Safety Data Sheet

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## Section 1 – Identification

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Chemical Name: N/A

Family: UV GELS

Product Use: NAIL GEL

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## Section 2 - 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 3 - Composition/Information on Ingredients

Chemical Identity	CAS Numbers	EINECS#	INCI Name	Exposure OSHA TWA/STEL	Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/OSHA	%
Polyurethane Acrylate Oligomer	Exempt	N/E	Di-Hema Trimethylhexyl Dicarbamate*	N/E	N/E	Not Listed	95-99
Acrylic Acid	79-10-7	201-177-9	N/E	N/E	2 ppm	3/no/no	2-5
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
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 Available	* See section 16					

**Polyurethane Acrylate Oligomer:** Hazard Symbol: Xi Risk Phrases: R36/37/38 Safety Phrases: S14, S3/7, S62

**Acrylic Acid:** Hazard Symbol: C, N Risk Phrases: R10, R20/21/22, R35, R50 Safety Phrases: S1/2, S26, S36/37/39, S45, S61

See Section 16 for Risk and Safety Phrase Key

## Section 4 - First Aid Measures

First Aid for Eye	Flush eyes with water for 15 minutes, including under eyelids. If irritation continues, 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	Ground and bond containers when transferring material. Avoid contact with skin and eyes, and clothing. Use with adequate ventilation and avoid breathing in vapor. Keep container closed when not in use. Avoid contact with heat, sparks and flame. 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. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks, or open flames. <b>Material is UV light sensitive, avoid prolonged exposure to light/heat.</b>
Storage	Store in a cool place, away from heat and light. Store at temperatures below 100°F/38°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 Protection**

Engineering Controls	Local exhaust recommended to control exposure which may result from operations generating aerosols and hot operations generating vapors.
<b>Personal Protective Equipment</b>	
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.
Skin Protection	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 EU EN 149.

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## Section 9 - Physical and Chemical Properties

Appearance	Odor & Odor Threshold	pH	Specific Gravity	Viscosity	% Volatile
Clear or violet, mobile viscous gel	characteristic acrylate odor	NA	(H <sub>2</sub> O=1) : 1.14	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	N/DA	N/DA	N/DA	Insoluble

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

## Section 10 - Stability and Reactivity

<b>Stability</b> Normally Stable	<b>Incompatibility (Materials to Avoid):</b> Polymerization initiators including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust and string bases.
<b>Hazardous Decomposition Products:</b> Fumes produced when heated to decomposition may include: carbon monoxide, carbon dioxide.	<b>Hazardous Polymerization:</b> 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.
<b>Conditions to Avoid:</b> Storage > 100 ° F , 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 - 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:	Non-Regulated Material
Identification Number:	N/A
Marine Pollutant:	No
Special Provisions:	None

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<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:	None
<b>Emergency Response Guidance (ICAO)#:</b>	N/A
<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>	N/A
<b>Other Information:</b>	Flash point >100°C

## Section 15 - Regulatory Information

### US Federal Regulations

Clean Air Act: HAP/ODS	This product contains the following hazardous air pollutants (HAP), as defined by the U. S. Clean Air Act: <ul style="list-style-type: none"> <li>• Benxophenone CAS# 119-61-9 (SOCMI)</li> <li>• Acrylic Acid CAS# 79-10-7(HAP)</li> </ul> This product contains no ODS's
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	This product contains no chemicals regulated under Sec. 302 as extremely hazardous substances.
SARA Title III: Section 304	This product contains the following chemicals regulated under Section 304 as extremely hazardous chemical for emergency release notification ("CERCLA" List): <ul style="list-style-type: none"> <li>• Acrylic Acid CAS #79-10-7 RG (LBS) 5000.</li> </ul>
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 the following 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"> <li>• Acrylic Acid CAS #79-10-7.</li> </ul>
TSCA Section 8(b): Inventory:	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.

### State Regulations

CA Right-to-Know Law:	Acrylic Acid CAS #79-10-7.
California No Significant Risk Rule:	NONE
MA Right-to-Know Law:	Acrylic Acid CAS #79-10-7.
NJ Right-to-Know Law:	Acrylic Acid CAS #79-10-7.
PA Right-to-Know Law:	Acrylic Acid CAS #79-10-7.
FL Right-to-Know Law:	Acrylic Acid CAS #79-10-7.
MN Right-to-Know Law	Benzophenone CAS #119-61-9

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## International Regulations

CDSL: Canadian Inventory  
(on Canadian Transitional List)

Hydroxycyclohexyl phenol ketone is on the DSL list. WHMIS = n/da  
Benzophenone CAS #119-61-9 is on the DSL list.  
Acrylic Acid CAS #79-10-7 is on the DSL list. WHMIS = B2, E, D1A, F

## Labeling according to EC directives – 1999/45/EC

European Community:



O-10 Gel:

- HAZARD SYMBOLS: **Xi**: Irritant
- RISK PHRASES: **R22**: Harmful if swallowed, **R34**: May cause burns, **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.

## Section 16 - Other Information

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

#### Hazard Symbol:

Xi – Irritant

C – Corrosive substance or preparation

N – Substance or preparation which are dangerous for the environment

#### Risk Phrase:

R10 Flammable; R20/21/22 Harmful by inhalation, in contact with skin and if swallowed; R35 Causes severe burns; R50 Very toxic to aquatic organisms; R36/37/38 Irritating to eyes, respiratory system and skin

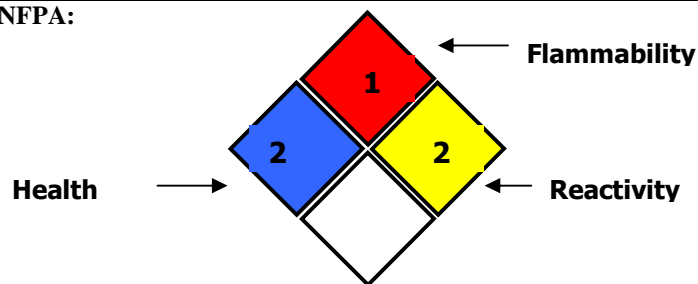
#### Safety Phrase:

S(1/2) Keep locked up and out of the reach of children; S3/7 Keep container tightly closed in a cool place; S36/37/39 Wear suitable protective clothing, gloves and eye/face protection; 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; S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

### Hazard Rating System (Pictograms)

NFPA:

HMIS:



2	Health
1	Flammability
2	Reactivity

MSDS Prepared by:

BSQ

### Revision History:

Update Sections 1,2 & 13 content

04/30/08 Updated INCI name for Polyurethane Acrylate Oligomer.

\* Most Keystone gels are composed of oligomers made primarily from urethane (meth)acrylates. Keystone is using the designation Di HEMA Trimethylhexyl Dicarbamate, the official INCI name of urethane dimethacrylate, which is substantially the equivalent of Polyurethane Acrylate Oligomer.

09/17/08 Updated section 16

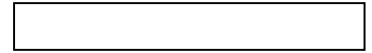
10/22/08 Updated format

11/25/08 Updated Risk and Safety Phrases

12/09/08 Updated specific gravity

03/18/09 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

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	sections 1, 8, and 13. Moved MSDS preparation to section 16.
	01/25/10 Added international emergency phone number to section 1.

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