

**Material Safety Data Sheet****UV GEL clear****Page 1****1. Product****Product Name:****UV GEL clear****2. Hazards Identification****2.1. Classification of the substance or mixture****Designation of Hazard**MAY BE SLIGHTLY TOXICMAY CAUSE MODERATE SKIN INJURY (REDDENING & SWELLING)MAY CAUSE CHEMICAL BURN IN EYE**Effects of overexposure**

- 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 vapour inhalation unlikely. Aerosol can be irritating.

Primary Route(s) of Entry

No specific information available

Sub-Chronic health hazards

No specific information available.

3. Composition / Information on Ingredients**3.2 Hazardous Components**

INCI – Ingredient Name	CAS Number	EINECS Number	CHIP Classification	%-Range
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Trimethylhexyl Dicarbamate (Polyurethane Acrylate Oligomer)	Exempt	N/E	Xi	50-75
Tripopylene Glycol Diacrylate	42978-66-5	256-032-2	Xi	10-25
Ethoxylated	28961-43-5	N/E	Xi	1-5
Trimethylolpropane Triacrylate				
Silica	60676-86-0	262-373-8	Xi	1-5
Hydroxycyclohexyl phenyl ketone	947-19-3	213-426-9	N/E	0-1
Benzophenone	119-61-9	204-337-6	N/E	0-1
Titanium dioxide/CI 77891	13463-67-7	236-675-5	N/E	0-1
Violet 2/CI 60725	81-48-1	201-353-5	N/E	0-1

4. First Aid Measures

4.1. Description of first aid measures

Skin contact:

First Aid Measures

Remove contaminated clothing. Wash contact area with soap and water for 15 minutes.

Inhalation:

In case of exposure to a high concentration of vapour or mist, remove person to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention.

Ingestion:

If swallowed, do NOT induced vomiting. Have victim drink 8-10 ounces of water to dilute material in stomach. Get medical attention. Never give anything by mouth to an unconscious person.

Eye Contact:

In case of contact, immediately wash the eyes with plenty of water for at least 15 min. Obtain medical attention, if discomfort persists.

5. Fire Fighting Measures

**5.1. Extinguishing media****Extinguishing media:**

Use dry chemical or carbon dioxide for small fires. Aqueous foam or water for large fires.

5.2. Special hazards arising from the substance or mixture**Exposure 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.

5.3. Advice for fire-fighters Advice for fire-fighters:

As in any fire, wear self-contained positive-pressure breathing apparatus and full protective gear. Remove all ignition sources.

6. Accidental Release Measures**6.1. Step to be taken in case material is released or spilled**

Spontaneous polymerization can occur. Although material is non-flammable, remove all sources of ignition and ventilate area. Wear appropriate safety equipment as listed in Section 8. After removal, flush contaminated area with water and collect for disposal. Clean up spills immediately. Obey relevant local, state, and federal law regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil. Dispose and report per regulatory requirements if necessary. Please prevent washings from entering waterways.

7. Handling and Storage**7.1. Precautions for safe handling****Handling requirements:**

Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

Other Precautions:

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.

7.2 Conditions for safe storage, including any incompatibilities**Storage conditions:**

Store in cool, well ventilated area. Keep container tightly closed. Keep away from direct sunlight.

8. Exposure Controls / Personal Protection



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8.1. Control parameters

Workplace exposure limits: Not applicable.

8.2. Exposure controls

Engineering measures: Local exhaust ventilation or other engineering controls to control exposure.

Respiratory protection: Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during application and handling unless air monitoring demonstrates vapour/mist levels below applicable limits. Follow respirator manufacturer's recommendations for selection and use.

Ventilation: Sufficient ventilation must be provided.

Hand protection: Chemical resistant protective gloves should be worn when handling this product. Check with glove manufacturer to determine proper glove type.

Eye protection: Splash-proof chemical goggles should be worn

Skin protection: Impervious clothing and boots should be worn. Eye bath and safety shower should be provided.

Hygienic practices: Good personal hygiene practices are required at all times when handling chemicals. These practices include, but are not limited to, washing when safety equipment is removed, at the end of each shift or when going on breaks and especially if contamination occurs.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Form:	Viscous gel
Colour:	Clear
Odour:	Characteristic acrylate odor
Boiling/Freezing Point:	N/A
Octanol/Water Partitioning Coefficient:	N/A
Specific Gravity:	(H ₂ O=1):1.15
Viscosity:	N/A
% Volatile:	By Volume : <0.5
Vapour Pressure : (mm Hg)	<0.01 @20°C
Vapor Density :	N/A



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Flash Point: >100°C
Flammable Limits (% v/v): No data
pH: N/A
Solubility in Water: Insoluble

10. Stability and Reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: 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.

10.4. Conditions to avoid

Conditions to avoid: Storage > 37°C. Direct sunlight. Heat. Hot surfaces.

10.5. Incompatible materials

Materials to avoid: Strong oxidizing agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. Products: In combustion emits toxic fumes.

11. Toxicological Information

11.1. Information on toxicological effects Relevant effects for mixture:

Acute Toxicity:	
Oral	No information available
Dermal	No information available
Inhalation	No information available

11.2 Symptoms/routes of exposure

Skin contact: No information available
Eye contact: No information available

**12. Ecological Information**

Any reject of this product in the sewer or stream must be avoided. Do not allow to enter drinking water supplies, wastewater or soil.

13. Disposal Considerations**13.1. Waste treatment methods**

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. Transport Information

Transport class: This product does not require a classification for transport.

15. Regulatory Information

Labelling according to EEC-Directives



SYMBOL	: Xi
INDICATION OF DANGER	: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

DISCLAIMER