

Material Safety Data Sheet

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Product:

CLEAR GEL

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Prepared By:

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS - Chemical Name & Common Names (Hazardous Components 1% or greater, Carcinogens 0.1% or greater)	%	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Acrylated Oligomers				
Acrylic Ester Monomers				
Photoinitiators				
Non-Hazardous Ingredients				
	100			

SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: will polymerize before boiling	Specific Gravity (H ₂ O = 1): Approx. 1
Vapor Pressure: (mm Hg and Temperature) less than 0.0004 torr @ 26 C	Melting Point: NA
Vapor Density: NA (Air = 1)	Evaporation Rate: (= 1) NA
Solubility in Water: Negligible	Water Reactive: No
Appearance & Odor: Thick viscous liquid , Faint Acrylate Odor	

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method Used: >200F	Auto-Ignition Temperature: NA	Flammability Limits in Air % by Volume: NA	LEL	UEL
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Extinguisher Media: Water spray, carbon dioxide, foam and dry chemical
Special Fire Fighting Procedures: Cool exposed containers with water spray. Self-contained breathing apparatus in confined areas.
Unusual Fire and Explosion Hazards: Product may polymerize at high temperatures and may produce enough heat to cause thermal decomposition and/or rupture of containers and can lead to the evolution of irritant vapors or gases and/or fires.

NA = Not available

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY ☒ Stable ☐ Unstable	Conditions to Avoid: Heat, organic or inorganic free radical producing initiators, exposure to sunlight, ultraviolet light or ionizing radiation, trace metals, alkaline substances.
Incompatibility (Materials to Avoid): Primary and secondary amines, acids, alkalies, free radical producing initiators.	
Hazardous Decomposition Products: Carbon dioxide, Carbon monoxide.	
HAZARDOUS POLYMERIZATION ☒ May Occur ☐ Will Not Occur	Conditions to Avoid: Direct heat, chemical contamination, sunlight, UV light or ionizing radiation.

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY ☐ Inhalation ☒ Skin Absorption ☒ Ingestion ☐ Not Hazardous	Carcinogen Listed In ☐ NTP ☐ IARC Monograph ☐ OSHA ☒ Not Listed
HEALTH HAZARDS	Acute: Skin, eyes and respiratory tract irritation. Possible allergic reaction and skin sensitizer. Chronic: Dermatitis.
Signs and Symptoms of Exposure: Irritated skin, eyes. Reddening or swelling of affected area.	
Medical Conditions Generally Aggravated by Exposure: Existing skin, eyes and lungs conditions.	
EMERGENCY FIRST AID PROCEDURES – Seek medical assistance for further treatment, observation and support if necessary.	
Eye Contact: Flush with large amount of water for at least 15 minutes holding lids apart. Washing within one minute is essential to achieve maximum effectiveness. Get medical attention.	
Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing and footwear. Wash clothing before use. Get medical attention if irritation should develop.	
Inhalation: Remove to fresh air.	
Ingestion: Do not induce vomiting. If vomiting should occur spontaneously, keep air way clear. Get medical attention. Never give anything by mouth to an unconscious person.	

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specify Type): NIOSH/MSHA approved respirator if necessary. Follow manufacturers instructions.			
Protective Gloves: Gauntlet gloves of polyethylene		Eye Protection: Chemical splash goggle	
VENTILATION TO BE USED	☒ Local Exhaust ☐ Other (specify)	☒ Mechanical (general) ☐ Special	☐ Special
Other Protective Clothing and Equipment: Chemical splash goggles or face shield.			
Hygienic Work Practices:			

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURES

Steps to be Taken if Material is Spilled Or Released:	Stop leaks. Clean up large spills with vacuum truck. Soak up small spills with absorbent material. Wear adequate personal protective clothing and equipment.
Waste Disposal Methods:	Dispose in an approved chemical waste landfill or incinerate in accordance with applicable Federal, State and Local regulations.
Precautions to be Taken in Handling and Storage:	Product may congeal if cold. Allow to warm room temperature and mix well before using. Store in a cool, shaded, well-ventilated dry area away from heat and sunlight.
Other Precautions and/or Special Hazards:	Avoid contact with skin, eyes, and clothing. Avoid breathing vapor. Use with adequate ventilation. Wash thoroughly after handling. May cause allergic reaction.

NA = Not available

NFPA Rating Health_____ Flammability_____ Reactivity_____ Special_____

HMIS Rating Health_____ Flammability_____ Reactivity_____ Personal Protection_____