

Revised
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MATERIAL SAFETY DATA SHEETS
MP 53021
UV-CURING

1. GENERAL INFORMATION

PRODUCT NAME: MP 53021
CHEMICAL FAMILY: Ultraviolet light curing adhesives
CHEMICAL NAME: Methacrylate esters

2. COMPOSITION

Ingredients	CAS No.	%
Urethane methacrylate resin	proprietary	20-40
High boiling acrylate	5888-33-5	20-40
High boiling methacrylate	7534-94-3	10-30
Hydroxyalkyl methacrylate	868-77-9	10-30
ACRYLIC ACID*	79-10-7	1-5
Photoinitiator	24650-42-8	1-3
Substituted silane	2530-83-8	0.1-1

* This component is listed as a SARA Section 313 Toxic Chemical.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
Hydroxyalkyl methacrylate	None	None	3 ppm ceiling
ACRYLIC ACID	2 ppm TWA skin 5.9 mg/m ³ skin	10 ppm TWA skin 30 mg/m ³ skin	1 ppm TWA skin 3 ppm STEL skin

3. MAIN HAZARD

Toxicity: Severe eye irritant. Moderate skin irritant.
Primary Routes of Entry: Eyes, skin
Signs and Symptoms of Exposure: May cause dermatitis on prolonged contact in sensitive individuals.
Existing Conditions Aggravated by Exposure: None known

4. FIRST AID PROCEDURES

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.
Inhalation: Does not apply
Skin Contact: Wash with soap and water.
Eye Contact: Flush at least 15 minutes with plenty of water. Obtain medical attention.

5. FIRE PROTECTION

Flash Point: More than 200°F
Extinguishing Agents: Carbon dioxide, foam, dry chemical
Special Firefighting Procedures: Not available
Hazardous Products formed by Fire or Thermal Decomp: Irritating organic vapors Unusual Fire or Explosion Hazards: None

6. SPILLAGE

Soak up with an inert absorbent. Store in closed container until disposal.



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7. HANDLING AND STORAGE

Safe Storage:
Handling:

Store at or below 100°F
Avoid prolonged contact with eyes and skin.

8. PERSONAL PROTECTION

Eyes:
Skin:
Ventilation:
Respiratory

Safety glasses or goggles.
Neoprene, rubber, or butyl rubber gloves.
Does not apply
Not available

9. PHYSICAL AND CHEMICAL DATA

Appearance:
Odor:
Boiling Point:
pH:
Solubility in Water:
Specific Gravity
Vapor Pressure:
Vapor Density:
Evaporation Rate
(Ether = 1)

Clear liquid
Mild
More than 300°F
Does not apply
Slight
1.1 at 25°C
Less than 0.5 mmbar at 25°C
Not available
Not available

10. STABILITY AND REACTIVITY

Stability:
Hazardous Polymerization:
Incompatibility:
Conditions to Avoid:
Hazardous Decomposition
Products (non-thermal):

Stable
Will not occur
None
Not available
None

11. TOXICOLOGICAL INFORMATION

Estimated oral LD50 more than 5000 mg/kg.
Estimated dermal LD50 more than 2000 mg/kg.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL INFORMATION

Recommended methods of disposal:
EPA Hazardous Waste
Number

Incinerate following EPA and local regulations.
NH - Not a RCRA Hazardous Waste Material



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14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)

Domestic Ground Transport

Proper Shipping Name:	Unrestricted
Hazard Class or Division:	Unrestricted
Identification Number:	None
Marine Pollutant:	None

IATA

Proper Shipping Name:	Unrestricted
Class or Division:	Unrestricted
UN or ID Number:	None

Engineering Excellence

For technical information
and support call **1-800-552-0299** or visit our website at

www.instantca.com