

Revised
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MATERIAL SAFETY DATA SHEETS
MP 53020
UV-CURING

1. GENERAL INFORMATION

PRODUCT NAME: MP 53020
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