

Revised  
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## MATERIAL SAFETY DATA SHEETS

### MP 53023

### UV-CURING

HMIS;	HEALTH	2	FLAMMABILITY	1	REACTIVITY	0
NFPA	HEALTH	2	FIRE HAZARD	1	REACTIVITY	0

#### 1. GENERAL INFORMATION

PRODUCT NAME:	MP 53023
CHEMICAL FAMILY:	Ultraviolet light curing adhesives
CHEMICAL NAME:	Methacrylate esters

#### 2. COMPOSITION

Ingredients	CAS No.	%
Urethane methacrylate resin	5888-33-5	20-40
High boiling methacrylate	7534-94-3	20-40
Hydroxyalkyl methacrylate	868-77-9	20-40
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 <sup>3</sup> skin	10 ppm TWA skin 30 mg/m <sup>3</sup> skin	1 ppm TWA skin 3 ppm STEL skin

#### 3. HAZARD INFORMATION

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 FIGHTING MEASURES

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



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### 6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak:

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

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### 7. HANDLING AND STORAGE

Safe Storage:

Store at or below 100°F

Handling:

Avoid prolonged contact with eyes and skin.

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### 8. EXPOSURE AND PERSONAL PROTECTION

Eyes:

Safety glasses or goggles.

Skin:

Neoprene, rubber, or butyl rubber gloves.

Ventilation:

Does not apply

Respiratory

Not available

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Clear liquid

Odor:

Mild

Boiling Point:

More than 300°F

pH:

Does not apply

Solubility in Water:

Slight

Specific Gravity

1.1 at 25°C

Vapor Pressure:

Less than 0,5 mmbar at 25°C

Vapor Density:

Not available

Evaporation Rate

(Ether = 1)

Not available

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### 10. REACTIVITY

Stability:

Stable

Hazardous Polymerization:

Will not occur

Incompatibility:

None

Conditions to Avoid:

Not available

Hazardous Decomposition

Products (non-thermal):

None

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### 11. TOXICOLOGICAL INFORMATION

Estimated oral LD50 more than 5000 mg/kg.

Estimated dermal LD50 more than 2000 mg/kg.

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### 12. ECOLOGICAL INFORMATION

No data available

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### 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

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### 15. REGULATORY INFORMATION

LABELING AS EC REGULATIONS IN FORCE

HAZARD SYMBOL ST. ANDREW'S CROSS – Xi = irritating.

CONTAINS: METHACRYLATE ESTERS.

RISK AND SAFETY PHRASES:

R36/37/38 Irritating to eyes skin and respiratory systems

S26 In case of contact with eyes, flush immediately with copious amounts of water and consult medical personnel.

S28 In case of contact with skin was immediately with copious amounts of water and soap.

**Engineering Excellence**

For technical information

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

**[www.instantca.com](http://www.instantca.com)**