

Revised
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MATERIAL SAFETY DATA SHEETS

MP 53037

UV-CURING

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

1. GENERAL INFORMATION

PRODUCT NAME:	MP 53037
CHEMICAL FAMILY:	Ultraviolet light curing adhesives
CHEMICAL NAME:	Methacrylate esters

2. COMPOSITION

Ingredients	CAS No.	%
Urethane methacrylate resin	5888-33-5	20-50
High boiling methacrylate	7534-94-3	15-35
Hydroxyalkyl methacrylate	868-77-9	20-35
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. 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 Decomposition:	
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.

7. HANDLING AND STORAGE

Safe Storage:

Store at or below 100°F

Handling:

Avoid prolonged contact with eyes and skin.

8. EXPOSURE AND PERSONAL PROTECTION

Eyes:

Safety glasses or goggles.

Skin:

Neoprene, rubber, or butyl rubber gloves.

Ventilation:

Does not apply

Respiratory

Not available

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

10. REACTIVITY

Stability:

Stable

Hazardous Polymerization:

Will not occur

Incompatibility:

None

Conditions to Avoid:

Not available

Hazardous Decomposition

Products (non-thermal):

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:

Incinerate following EPA and local regulations.

EPA Hazardous Waste Number

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

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.

NON-WARRANTY: Information contained herein is based on tests we believe to be reliable and accurate. It is offered in good faith for the benefit of the consumer. Adhesive Systems shall not be liable for any injury, loss, or damage in the use of its chemical products since the conditions of use are beyond our control. In every case we urge and recommend the user conduct tests to determine to their own satisfaction that the product is of acceptable quality and is suitable for their particular purpose under their own operating conditions. Statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent. Because of changing reporting requirements and other variables it is impossible to guarantee the accuracy of the information contained in this document. It is the responsibility of the user to determine proper personal protection based on the actual condition of use and to comply with all Federal, State, and Local laws and regulations.

Engineering Excellence

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