

Revised
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MATERIAL SAFETY DATA SHEETS

MP 53344

HMIS;	HEALTH	3	FLAMMABILITY	1	REACTIVITY	2
NFPA	HEALTH	3	FIRE HAZARD	1	REACTIVITY	2

1. GENERAL INFORMATION

PRODUCT NAME: MP 53344
TECHINICAL NAME: UV Curing Adhesive/Coating

2. COMPOSITION

INGREDIENTS	CAS NO.	PERCENT	ACGIH TLV-TWA	OSHA PEL
Acrylate oligomer	Trade Secret	>30	N.E.	N.E.
Isobornyl acrylate	5888-33-5	>25	N.E.	N.E.
B-Carboxyethyl acrylate	24615-84-7	<20	N.E.	N.E.
Higher homologs of acrylic acid	N.A.	<15	N.E.	N.E.
Acrylic acid	79-10-7	<8	2 ppm	10 ppm
Ethoxyethoxyethyl acrylate	7328-17-8	<5	N.E.	N.E.
Photocuring Agent	Proprietary	<3	N.E.	N.E.

3. HELATH HAZAZRD DATA

Routes of Exposure:	Eyes: Yes	Skin: Yes	Inhalation: Yes
Eye Contact:	Corrosive. May cause irritation, chemical burns, and irreversible damage.		
Skin Contact:	Corrosive. May cause irritation, chemical burns, and sensitization. May be moderately toxic if absorbed.		
Inhalation:	May cause irritation, headaches, dizziness, and nausea. May be toxic if inhaled.		
Ingestion:	May be slightly toxic.		

4. FIRST AID MEASURES

Eyes:	Flush eyes thoroughly with water for at least 15 minutes while holding eyelids open. Seek medical attention.
Skin:	Remove contaminated clothing and wipe excess from skin. Flush skin with water. Follow by washing with soap and water for 15 minutes. Do not reuse clothing until it has been laundered. Consult a physician.
Inhalation:	Remove to fresh air, and provide oxygen if breathing is difficult. Consult a physician.
Ingestion:	DO NOT induce vomiting. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

Flashpoint:	>200 deg F (Setaflash)
Explosive Limits:	Not available
Auto-Ignition Temperature:	Not available
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, and oxides of nitrogen
Fire Fighting Instructions:	Do not enter a fire area without proper protection. Fight fires from a safe distance and from a protected location. Avoid the use of a stream of water to control fires since frothing can occur. Use carbon dioxide, dry chemical, or aqueous foam.
Extinguishing Media:	



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6. SPILL OR LEAK PROCEDURES

Spilled or released material may polymerize. Extinguish all ignition sources and ventilate the area. Wear protective equipment and clothing during clean up. Soak up spills with inert solids and dispose of properly. Flush area with water.

7. HANDLING AND STORAGE

Store in a cool, dry area, in closed containers, where the temperature does not exceed 100 deg F. Avoid prolonged exposure to light. Keep away from polymerization initiators including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust, and strong bases. Avoid contact with eyes, skin, and clothing. Use appropriate ventilation or approved respirators as necessary.

8. PERSONAL PROTECTION PRECAUTIONS

Engineering/Ventilation Controls:

General ventilation and local exhaust may be required to maintain airborne concentrations below the established exposure limits exposure when generating vapors or mists.

Respiratory Protection:

Where exposure exceeds established airborne limits; use a NIOSH approved respirator, a self-contained breathing apparatus, or a supplied air respirator as necessary to control exposure.

Skin Protection:

Wear impervious gloves and protective clothing as necessary to prevent skin contact.

Eye Protection:

Wear chemical splash goggles or safety glasses with side shields.

9. PHYSICAL AND CHEMICAL DATA

Appearance:

Light-colored liquid

Odor:

Acrylate

Boiling Point:

Not established

Specific Gravity:

1.04

Vapor Pressure:

Not established

Percent VOC:

<0.5

Solubility in Water:

Negligible

10. STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal conditions and use; unstable (reactive) upon loss of inhibitor.

Conditions and Materials to Avoid:

Storage > 100 °F, exposure to light, loss of polymerization inhibitor, peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust, and strong bases.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide, and oxides of nitrogen.

Hazardous Polymerization:

May occur - Uncontrolled polymerization may cause rapid evolution of heat and increased pressure that could result in violent rupture of seal storage vessels or containers.

11. TOXICOLOGICAL INFORMATION

Acute Health Effects:

Corrosive. May cause irritation, chemical burns, sensitization, and irreversible damage. May be moderately toxic if absorbed through skin. May cause irritation, headaches, dizziness, and nausea if inhaled. Respiratory disorders, skin allergies, and eczema may be aggravated by exposure to this product. This product may be slightly toxic by ingestion.

Chronic Health Effects:

None known.



12. DISPOSAL INFORMATION

Dispose of in accordance with all applicable federal, state and local regulations. Disposal options include land filling solids at permitted sites, fuel blending or incinerating liquids.

13. TRANSPORTATION INFORMATION

D.O.T. Classification: Corrosive Liquid, N.O.S. (Acrylic Acid)

Hazard Class: 8 **UN #:** UN1760 **PG:** III **ERG #:** None **Hazard Labels:** Corrosive

I.A.T.A. Classification: Corrosive Liquid, N.O.S. (Acrylic Acid)

Hazard Class: 8 **UN #:** UN1760 **PG:** III **ERG #:** None **Hazard Labels:** Corrosive

15. REGULATORY INFORMATION

TSCA:

The chemical components of this product are contained on section 8(B) of the chemical substance inventory list (40CFR710).

SARA Title III Information

Section 313 - Toxic Chemicals:

This product contains the following chemical subject to reporting requirements:

Hazardous Components	Cas No.	Percent
Acrylic acid	79-10-7,	< 10 % of the total composition

Section 311/312 - Hazard Categories:

Delayed (Chronic) Health Hazard:	No
Reactivity Hazard:	Yes
Sudden Release of Pressure Hazard:	No
Fire Hazard:	No
Immediate (Acute) Health Hazard:	Yes

Engineering Excellence

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

www.instantca.com