

Revised
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MATERIAL SAFETY DATA SHEETS

MP 53301

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

1. GENERAL INFORMATION

PRODUCT NAME: MP 53301
TECHINICAL NAME: UV Curing Adhesive

2. COMPOSITION

INGREDIENTS	CAS NO.	PERCENT	Exposure Limits	
			ACGIH TLV-TWA mg/m ³	OSHA PEL mg/m ³
Urethane Acrylate	Proprietary	>30	N.E.	N.E.
Alkyl Actylate	Proprietary	<50	N.E.	N.E.
Acrylanide Derivative	Proprietary	<40	N.E.	N.E.

3. HELATH HAZAZRD DATA

Routes of Exposure:	Eyes: Yes	Skin: Yes	Inhalation: Yes
Eye Contact:	Can cause irritation. Symptoms may include tearing, redness, and blinking of eyes.		
Skin Contact:	Can cause irritation and sensitization. Symptoms may include blistering and/or swelling. This material is expected to be a skin absorption hazard.		
Inhalation:	Lightly toxic. Vapors, if generated, may cause respiratory tract irritation. Symptoms may include coughing, mucous production and shortness of breath.		
Ingestion:	Expected to be a slight ingestion hazard.		
Other:	Preexisting skin and eye disorders may be aggravated by exposure to this product. Individuals with preexisting skin or lung allergies may experience increased allergy symptoms upon exposure to this product.		

4. FIRST AID MEASURES

Eyes:	Flush eyes thoroughly with water for at least 20-30 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. 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. If a large quantity has been swallowed, give lukewarm water (pint) unless the victim is drowsy or unconscious.

5. FIRE FIGHTING MEASURES

Flashpoint:	>200 deg F (PMCC)
Explosive Limits:	Not available
Auto-Ignition Temperature:	Not available
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, ammonia, and acrid smoke/fumes.
Fire Fighting Instructions:	Firefighter should not enter a confined fire space without full bunker gear, including a positive pressure, NIOSH approved, self-contained breathing apparatus. Cool fire-exposed containers with water spray or water fog.
Extinguishing Media:	Foam, dry chemical or carbon dioxide.



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6. SPILL OR LEAK PROCEDURES

Spilled or released material may polymerize, generating heat/gases. Wear a respirator and protective clothing as appropriate. Extinguish all ignition sources. Ventilate area, and evacuate if airborne levels could exceed established limits. Shut off source leak if it is safe to do so. Dike and contain. Soak up residue with an absorbent such as clay, sand, or other suitable material. Dispose of properly. Flush spill area with water to remove trace residue.

7. HANDLING AND STORAGE

Store in a cool, dry place, between 50° F and 90° F, with head space in storage containers to support the oxygen requirements of the polymerization inhibitors. Keep away from water, freezing conditions, high temperatures, and open flames. Avoid exposure to light and polymerization initiators, such as peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust, and strong bases, when product is not in use. Avoid contact with eyes and skin; wear protective gear as appropriate.

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:	Pale yellow liquid
Odor:	Pungent, Acrylate
Boiling Point:	Not available
Specific Gravity:	1.04
Vapor Pressure(mmHg):	Not available
Vapor Density(air=1):	Not available
Evaporation rate:	Not available
Solubility in Water:	Negligible

10. STABILITY AND REACTIVITY

Chemical Stability:

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

Conditions and Materials to Avoid:

Keep away from water, freezing conditions, high temperatures, and open flames. Avoid exposure to light and polymerization initiators, such as peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust, and strong bases, when product is not in use.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide, ammonia, and acrid smoke/fumes.

Hazardous Polymerization:

May occur.

11. TOXICOLOGICAL INFORMATION

Acrylamide Derivative

LC0 Acute Inhalation Rat:	0.67 mg/L
LD50 Acute Oral Rat:	252 mg/kg
LD50 Acute Dermal Rat:	907 mg/kg

May be harmful by ingestion or skin absorption. Causes eye and skin irritation. This material is highly toxic by inhalation.

Acute Health Effects: Inhalation of vapors may cause headaches, nausea, dizziness, and respiratory irritation. May cause severe skin injury (reddening and swelling) and/or sensitization. Prolonged contact may cause blister formation (burns). May cause severe eye injury.

Chemicals listed as carcinogen by

National Toxicology Program:	No
L.A.R.C. Monographs:	No
OSHA:	No



12. DISPOSAL INFORMATION

Keep out of surface waters, sewers, and waterways entering or leading to surface waters. Notify authorities if any exposure to the general public or environment occurs or is likely to occur. Place in an appropriate disposal facility in compliance with applicable government regulations.

13. TRANSPORTATION INFORMATION

D.O.T./I.A.T.A. Proper Shipping Name: Toxic Liquid, Organic, N.O.S. (N,N-Dimethyl Acrylamide)
I.A.T.A. Label: Toxic **UN:** 2810 **P.G.:** III **Hazard Class:** 6.1
D.O.T. Label: KEEP AWAY FROM FOOD

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: None

Section 311/312 - Hazard Categories:

Delayed (Chronic) Health Hazard:	No
Reactivity Hazard:	No
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

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