

Revised
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MATERIAL SAFETY DATA SHEET
MP 5401

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

1. GENERAL INFORMATION

PRODUCT NAME: MP 5401
TECHINICAL NAME: One Component Epoxy Adhesive

2. COMPOSITION

INGREDIENTS	CAS NUMBER	OSHA PEL	AGGIH	%Concentration
Epoxy Resin	25068-38-6	Not Estab.	Not Estab.	50-60
*Aluminum	7429-90-5	5-15 mg/m3	5-10 mg/m3	25-35
Curing Agents	461-58-5	N/E	N/E	5-10
Fillers	67762-90-7	0.05-.1 mg/m3	0.05-.1 mg/m3	1-5

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

3. CHEMICAL AND PHYSICAL PROPERTIES

BOILING POINT:	500 F	SPECIFIC GRAVITY (H20=1):	1.45
PHYSICAL STATE:	N/A	VAPOR DENSITY:	Unknown
COLOR:	Grey Paste	COATING V.O.C.:	0.00 lb./gl.
ODOR:	NON NOTICABLE	MATERIAL V.O.C.:	0.00 lb./gl.
SOLUBILITY IN WATER:	NIL		

4. REACTIVITY DATA

STABILITY:	STABLE
CONDITIONS TO AVOID:	PROLONGED EXCESSIVE HEAD, SPARK OR OPEN FLAME.
INCOMPATIBILITY (MATERIALS TO AVOID):	STRONG OXIDIZING AGENTS, AMINES, AMMONIA, ACIDS, HALOGENS, ANHYDRIDES, OXIDIZERS.
HAZARDOUS DECOMPOSITION OR BY PRODUCTS:	CARBON MONOXIDE OR CARBON DIOXIDE AND ALDEHYDES
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR. AVOID AMINES, ALKALIES, MINERAL ACIDS, METAL SALTS, STRONG ACIDS AND BASES IN BULK.

5. HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:	DISCOMFORT, HEADACHE, VOMITING
SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:	IRRITATION, RASH, DISCOMFORT, HIVES
SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:	IRRITATION, RASH, DISCOMFORT
INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:	HEADACHE, FEVER, VOMITING, CHILLS
HEALTH HAZARDS (ACUTE AND CHRONIC):	ACUTE: IRRITATION, DERMATITIS - CHRONIC: SENSITIZATION
CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO	
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:	DERMATITIS, ECZEMA, SKIN CONDITIONS
EMERGENCY AND FIRST AID PROCEDURES:	PRIMARY ROUTE OF ENTRY - SKIN
EYE:	FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN.
SKIN:	WASH AFFECTED AREA WITH SOAP AND WATER. CONTACT A PHYSICIAN IF IRRITATION OR OTHER PROBLEMS OCCUR.
INGESTED:	DO NOT INDUCE VOMITING. CALL THE POISON CONTROL CENTER IMMEDIATELY.
INHALATION:	REMOVE VICTIM TO FRESH AIR. CONTAMINATED LEATHER ARTICLES CANNOT BE DECONTAMINATED AND SHOULD BE DESTROYED TO PREVENT REUSE



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6. FIRE AND EXPLOSION DATA

FLASH POINT: 480 °F
FLAMMABLE LIMITS IN AIR BY VOLUME -

METHOD USED: PMCC
LOWER: N/A UPPER: N/A

APPROPRIATE EXTINGUISHERS: CARBON DIOXIDE, DRY CHEMICAL, CHEMICAL FOAM OR WATER FOG.

SPECIAL FIRE FIGHTING PROCEDURES: REMOVE ALL IGNITION SOURCES. WEAR SELF-CONTAINED BREATHING APPARATUS AND COMPLETE PERSONAL PROTECTIVE EQUIPMENT WHEN ENTERING CONFINED AREAS WHERE POTENTIAL FOR EXPOSURE TO VAPORS EXIST. CONTAIN RUN-OFF WATER IN DIKES.

UNUSUAL FIRE AND EXPLOSION HAZARDS: DECOMPOSITION AND COMBUSTION PRODUCTS MAY BE HAZARDOUS. USE SELF-CONTAINED BREATHING APPARATUS. MAY GENERATE CARBON MONOXIDE GAS, HYDROGEN CYANIDE GAS, AMMONIA GAS. MAY GENERATE TOXIC NITROGEN OXIDE GASES..

7. PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

AVOID PERSONAL CONTACT. RECOVER AND USE UNCONTAMINATED PRODUCT. TAKE UP UNRECOVERABLE OR CONTAMINATED PRODUCT. DISPOSABLE TOOLS AND INERT ABSORBENT MATERIAL ARE RECOMMENDED. TRANSFER TO CLOSABLE CONTAINER.

WASTE DISPOSAL METHOD:

EQUIVALENT AMOUNTS OF BASE AND HARDENER MAY BE REACTED TO FORM AN INERT MASS. CONTAINERIZE AND DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

STORE IN COOL DRY AREA. KEEP CONTAINER TIGHTLY CLOSED EXCEPT WHEN USING MATERIAL. DO NOT BREATHE VAPOR, MIST OR SPRAY.

OTHER PRECAUTIONS:

WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING. AVOID BREATHING DUST FROM MACHINING OR ABRADING CURED MATERIAL.

8. CONTROL MEASURES

RESPIRATORY PROTECTION:

NIOSH APPROVED ORGANIC VAPOR CARTRIDGE RESPIRATOR IN POORLY VENTILATED AREAS.

VENTILATION:

LOCAL EXHAUST IS RECOMMENDED. GOOD MECHANICAL. SELF-CONTAINED BREATHING APPARATUS IN HIGH VAPOR CONCENTRATIONS (NIOSH MASK) SUFFICIENT TO KEEP WORKROOM CONCENTRATIONS BELOW TLV'S.

PROTECTIVE GLOVES:

CHEMICAL RESISTANT GLOVES.

EYE PROTECTION:

SAFETY GLASSES OR FACE SHIELD.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

IMPERVIOUS CLOTHING WHERE NEEDED.

WORK/HYGENIC PRACTICES:

USE OF BARRIER CREAM IS RECOMMENDED OVER EXPOSED SKIN.

9. TRANSPORTATION

DEPARTMENT OF TRANSPORTATION CLASSIFICATION: NOT REGULATED

D.O.T. PROPER SHIPPING NAME:

OTHER REQUIREMENTS:

Engineering Excellence

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

www.instantca.com