

SAFETY DATA SHEET

UPC 5800 Fast Epoxy Hardener Part B

SDS REVISION DATE: 05/05/2016

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Fast Epoxy Hardener Part B

MANUFACTURER: Universal Polymer Coatings, Inc.
DIVISION: Floor Coating
ADDRESS: 737 W. Taft Avenue, Orange CA 92865

EMERGENCY PHONE: 800-255-3924
CHEMTEL PHONE: 800-255-3924
OTHER CALLS: 714-279-1199
FAX PHONE: 714-279-8070

PRODUCT USE: Floor Coating
PREPARED BY: Universal Polymer Coatings, Inc.

SECTION 2: HAZARDS IDENTIFICATIONS

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

GHS-US CLASSIFICATION

Acute Toxicity-Oral 4
Acute Toxicity-Inhalation 4
Skin Cor 1B
Serious Eye damage 1
Skin Sens. 1
Reproductive toxicity 2

LABEL ELEMENTS:

GHS LABEL ELEMENTS

HAZARD PICTOGRAMS:



SIGNAL WORD: Danger

HAZARD STATEMENTS:

H302+H332 Harmful if swallowed or if inhaled
H314 Causes severe skin burns and eye damage
H317 May cause an allergic skin reaction.
H361 Suspected of damaging fertility or the unborn child

PRECAUTIONARY STATEMENTS:

PREVENTION: P201 Obtain special instruction before use
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P264 Wash hands thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P281 Use personal protective equipment as required

RESPONSE: P301+P330+P331 If SWALLOWED; rinse mouth. Do NOT induce vomiting
P303+P361+P353 If ON SKIN (or hair); remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 If IN EYES; rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 If exposed or concerned; get medical advice/attention
P310 Immediately call a POISON CENTER/doctor.

OTHER HAZARDS:

Harmful if swallowed
May cause sensitization by skin contact
Corrosive
Harmful by inhalation

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:	CAS #	AMOUNT
• Benzyl alcohol	100-51-6	30 - 60%
• Benzene-1,3-dimethanamine (MXDA)	1477-55-0	15 - 30%
• Isophoronediamine (IPD)	2855-13-2	15 - 30%
• Paratertiarybutylphenol	98-54-4	5 - 10%

Any remaining components are trade secret.

SECTION 4: FIRST AID MEASURES

GENERAL ADVICE:	Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.
INHALATION:	Move to fresh air
SKIN:	Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay. Initiate and maintain continuous irrigation until the patient receives medical care. Cover wound with sterile dressing. Take off contaminated clothing and shoes immediately. NOTE TO PHYSICIANS: Application of corticosteroid cream has been effective in treating skin irritation. Initiate and maintain continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour. Flush immediately with copious amounts of water.
EYES:	Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour.
INGESTION:	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side.
MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:	Asthma. Eye disease. Skin disorders and allergies.
NOTES TO PHYSICIANS/SPECIAL TREATMENT:	Application of corticosteroid cream has been effective in treating skin irritation. If seeking medical attention, provide SDS document to physician.

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA:	Alcohol-resistant foam, CO2, Dry chemical, Dry Sand, Limestone powder
SPECIFIC (UNUSUAL) HAZARDS:	Ammonia gas may be liberated at high temperatures. In case incomplete combustion an increased formation of oxides of nitrogen (NOx) is to be expected. Incomplete combustion may form carbon monoxide. May generate ammonia gas. May generate toxic nitrogen oxide gases. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated.
ADVICE FOR FIRE-FIGHTERS:	Avoid contact with the skin. A face shield should be worn. Use personal protective equipment. Wear self-contained breathing apparatus for firefighting if necessary. Do not allow run-off from fire fighting to enter drains or water courses. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:	Use self-contained breathing apparatus and chemically protective clothing. Evacuate personnel to safe areas.
ENVIRONMENTAL PRECAUTIONS:	Do not allow spill to enter into sewers or waterways. Use appropriate containment to avoid environmental contamination. Construct a dike to prevent spreading. If possible, stop flow of product.

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METHODS AND MATERIAL FOR

CONTAINMENT AND CLEANING UP: Contact Chemtel for advice. Approach suspected leak areas with caution. Place in appropriate chemical waste container.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Avoid contact with skin and eyes. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Use personal protective equipment. When using, do not eat, drink or smoke.

CONDITIONS FOR SAFE STORAGE, INCLUDING

ANY INCOMPATIBILITIES: Do not store near acids. Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:

Chemical Name			
Benzyl alcohol	Time Weighted Average (TWA): WEEL	10 ppm	44.20 mg/m ³
Benzene-1,3-dimethaneamine (MXDA)	Ceiling Limit Value: ACGIH	-	0.1 mg/m ³
Benzene-1,3-dimethaneamine (MXDA)	Ceiling Limit Value and Time Period (if specified): NIOSH	-	0.1 mg/m ³
Benzene-1,3-dimethaneamine (MXDA)	Ceiling Limit Value: OSHA Z1A	-	0.1 mg/m ³
Benzene-1,3-dimethaneamine (MXDA)	Ceiling Limit Value: US CA OEL	-	0.1 mg/m ³
Benzene-1,3-dimethaneamine (MXDA)	Ceiling Limit Value: TN OEL	-	0.1 mg/m ³

ENGINEERING MEASURES:

Provide readily accessible eye wash and safety stations.
Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.

PERSONAL PROTECTION



EYE PROTECTION: Full face shield with goggles underneath.

SKIN PROTECTION: Slicker Suit
Impervious clothing
Rubber or plastic boots

HAND PROTECTION: Butyl-rubber
Nitrile rubber
Neoprene gloves
PVC disposable gloves
Impervious gloves
Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

RESPIRATORY PROTECTION: Not required for properly ventilated areas.

ENVIRONMENTAL

EXPOSURE CONTROLS: Do not allow spill to enter into sewers or waterways. Use appropriate containment to avoid environmental contamination.

SPECIAL INSTRUCTIONS: Discard contaminated leather articles. Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash hands at the end of each workshift and before eating, smoking or using the toilet. Provide readily accessible eye wash stations and safety showers.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Physical state	Liquid
Color	Colorless

ODOR: Ammoniacal

ODOR THRESHOLD: No data available

pH: Alkaline

MELTING POINT: No data available

BOILING POINT: @ >392° F, (>200° C)

FLASH POINT: @ 230° F, (110° C)

EVAPORATION RATE: No data available

FLAMMABILITY (solid, gas): No data available

FLAMMABILITY LIMIT IN AIR

Upper: No data available

Lower: No data available

VAPOR PRESSURE: 1.80 mmHg @ 70° F, (21° C)

WATER SOLUBILITY: No data available

RELATIVE VAPOR DENSITY: No data available

PARTITION COEFFICIENT: No data available

AUTO-IGNITION TEMP: No data available

DECOMP TEMP: No data available

VISCOSITY: No data available

RELATIVE DENSITY: 1.04 (water=1)

DENSITY: 64.925 lb/ft³ (1.04 g/cm³) @ 70° F, (21° C)

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Chemical is stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: No data available.

CONDITIONS TO AVOID: No data available.

MATERIAL TO AVOID: Reactive metals (e.g. sodium, calcium, zinc, etc.)
Materials reactive with hydroxyl compounds.
Organic acids (i.e. acetic acid, citric acid, etc)
Mineral acids
Sodium hypochlorite
Product slowly corrodes copper, aluminum, zinc and galvanized surfaces.
Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion.
Oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Nitric acid
Ammonia
Nitrogen Oxides (NO_x)
Nitrogen Oxide can react with water vapors to form corrosive nitric acid.
Carbon Monoxide
Carbon Dioxide (CO₂)
Aldehydes
Flammable hydrocarbon fragments

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SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

LIKELY ROUTES OF EXPOSURE

Effects on Eye:	Causes eye burns. May cause blindness. Corneal edema may give rise to a perception of "blue haze" or "fog" around lights. Exposed individuals may see rings around bright lights. This effect is temporary and has no known residual effect. Product vapor can cause glaucoma (corneal edema) when absorbed into the tissue of the eye from the atmosphere.
Effects of Skin:	Causes skin burns.
Inhalation Effects:	Inhalation of aerosol may cause irritation to the upper respiratory tract. Harmful if inhaled. Can cause severe eye, skin and respiratory tract burns.
Ingestion Effects:	If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach. Harmful if swallowed.
Symptoms:	No data is available.

ACUTE TOXICITY

	Acute Toxicity – Component(s):		
Oral:	Benzyl alcohol	LD50: 1,230 mg/kg	Species: Rat
	Benzene-1,3-dimethanamine (MXDA)	LD50: 980 mg/kg	Species: Rat
	Isophoronediamine (IPD)	LD50: 1,030 mg/kg	Species: Rat
	Paratertiarybutylphenol	LD50: 2,951 mg/kg	Species: Rat
Inhalation:	Benzyl Alcohol	LC50: > 4.178 mg/l, 4h	Species: Rat
Dermal:	Benzyl alcohol	LD50: 2,000 mg/kg	Species: Rabbit
	Benzene-1,3-dimethanamine (MXDA)	LD50: 2,000 mg/kg	Species: Rabbit
	Isophoronediamine (IPD)	LD50: 1,840 mg/kg	Species: Rabbit
	Paratertiarybutylphenol	LD50: 2,288 mg/kg	Species: Rabbit
Skin corrosion/irritation:	Severe skin irritation. Corrosive in an in vitro test		
Eye damage/irritation:	Severe eye irritation		
Sensitization to respiratory:	No data is available.		
Skin sensitisation:	No data is available.		

CHRONIC TOXICITY OR EFFECTS FROM LONG TERM EXPOSURES

Carcinogenicity:	No data is available.
Reproductive toxicity:	No data is available.
Germ cell mutagenicity:	No data is available.
Specific target organ systemic toxicity:	
Single exposure:	No data is available.
Repeated exposure:	No data is available.
Aspiration hazard:	No data is available.

Delayed and immediate effects and chronic effects from short and long term exposure. This product contained no listed carcinogens according to IARC, ACGIH, NTP and/or OSAH in concentrations of 0.1 percent or greater. May cause allergic skin reaction. This product may cause adverse reproductive effects. Asthma, Eye disease, Skin disorders and allergies.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY EFFECTS

Aquatic toxicity:

Toxicity to Fish – Component(s):

Benzyl alcohol	LC50: 10 mg/l, 96h	Species: Lepomis macrochirus (bluegill sunfish)
Benzyl alcohol	LC50: 460 mg/l, 96h	Species: Pimephales promelas (fathead minnow)

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Toxicity to Aquatic Plants – Component(s):

Benzyl alcohol	IC50: 700 mg/l, 72h	Species: algae
Benzene-1,3 Dimethaneamine	EC50: 12 mg/l, 72h	Species: algae

Toxicity to other organisms – Components(s):

No data is available.

PERSISTENCE AND DEGRADABILITY

Biodegradability:	No data is available
Mobility in soil:	No data is available
Bioaccumulation:	No data is available

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: The product should not be allowed to enter drains, water courses or the soil; dispose of this material and its container in a safe way. Contact supplier if guidance is required.

Dispose of container and unused contents in accordance with federal, state, and local requirements.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

DOT: ID NUMBER: UN2735
PROPER SHIPPING NAME: Amines, liquid, corrosive, n.o.s. (Benzene-1,3-dimethaneamine (MXDA), Cycloaliphatic amine)
HAZARD CLASS: 8
PACKING GROUP: II
Label(s): 8
Marine Pollutant: No

IATA: ID NUMBER: UN2735
PROPER SHIPPING NAME: Amines, liquid, corrosive, n.o.s. (Benzene-1,3-dimethaneamine (MXDA), Cycloaliphatic amine)
HAZARD CLASS: 8
PACKING GROUP: II
Label(s): 8
Marine Pollutant: Yes

**NOTE: This product contains a substance that: 1) is regulated as a Marine Pollutant, or 2) meets the definition of toxic to the aquatic environment.

IMDG: ID NUMBER: UN2735
PROPER SHIPPING NAME: Amines, liquid, corrosive, n.o.s. (Benzene-1,3-dimethaneamine (MXDA), Cycloaliphatic amine)
HAZARD CLASS: 8
PACKING GROUP: II
Label(s): 8
Marine Pollutant: Yes

**NOTE: This product contains a substance that: 1) is regulated as a Marine Pollutant, or 2) meets the definition of toxic to the aquatic environment.

TDG: ID NUMBER: UN2735
PROPER SHIPPING NAME: Amines, liquid, corrosive, n.o.s. (Benzene-1,3-dimethaneamine (MXDA), Cycloaliphatic amine)
HAZARD CLASS: 8
PACKING GROUP: II
Label(s): 8
Marine Pollutant: No

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): None

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Country	Regulatory List	Notification
USA	TSCA	Included on Inventory
EU	EINECS	Included on EINECS inventory or polymer substance, monomers included on EINECS inventory or no longer polymer.
CANADA	DSL	Not on Inventory. Notifications have been submitted in Environment Canada
AUSTRALIA	AICS	Not on Inventory
JAPAN	ENCS	Included on Inventory
SOUTH KOREA	ECL	Included on Inventory
CHINA	SEPA	Not on Inventory
PHILIPPINES	PICCS	Not on Inventory

EPA SARA Title III Section 311/312 (40 CFR 370) Hazard Classification: Acute Health Hazard, Chronic Health Hazard

EPA SARA Title III Section 313 (40 CFR 372) Component(s): None

US California Safe Drinking Water & Toxic Enforcement Act (Proposition 65): This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other harm.

SECTION 16: DISCLAIMER

OTHER INFORMATION

HMS Rating:

Health: 3

Flammability: 1

Physical Hazard: 0

DISCLAIMER: The information herein is given in good faith, but no warranty expressed or implied is made. Universal Polymer Coatings, Inc. urges suppliers and users of this product to evaluate its suitability and compliance with local regulations as Universal Polymer Coatings, Inc. cannot foresee the nature of the final application or final location of usage.