

SAFETY DATA SHEET

UPC 5500 Premium Epoxy Hardener Part B

SDS REVISION DATE: 05/05/2016

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Premium 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
Skin Cor 1B
Serious Eye damage 1
Skin Sens 1
Specific target organ toxicity – repeated exposure – Oral 2

LABEL ELEMENTS:

GHS LABEL ELEMENTS

HAZARD PICTOGRAMS:



SIGNAL WORD: Danger

HAZARD STATEMENTS:

H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage
H317 May cause an allergic skin reaction.
H373 May cause damage to organs through prolonged or repeated exposure if swallowed.

PRECAUTIONARY STATEMENTS:

PREVENTION: P260 Do not breathe dust/fume/gas/mist/vapours/spray
P264 Wash hands thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection

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.
P310 Immediately call a poison center/doctor.
P333+P313 If skin irritation or rash occurs; get medical advice/attention.
P363 Wash contaminated clothing before reuse.

DISPOSAL: P501 Disposal of contents/container to be specified in accordance with regulations.

OTHER HAZARDS:

Corrosive
Components of the product may affect the nervous system.
Harmful if swallowed
Harmful in contact with skin

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:	CAS #	AMOUNT
• Cycloaliphatic amine	N/A	> 10 %
• Alcohol	N/A	> 25 %
• Aliphatic amine	N/A	> 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. Flush immediately with copious amounts of water. Initiate and maintain continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour. Cover wound with sterile dressing.
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:	Eye disease. Skin disorders and allergies. Neurological disorders. Liver disorders.
NOTES TO PHYSICIANS/SPECIAL TREATMENT:	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 from 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. Wear suitable protective clothing, gloves and eye/face protection. Evacuate personnel to safe areas.
ENVIRONMENTAL PRECAUTIONS:	Construct a dike to prevent spreading. If possible, stop flow of product.
METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:	Contact Chemtel for advice. Approach suspected leak areas with caution. Place in appropriate chemical waste container.

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SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Do not use sodium nitrite or other nitrosating agents in formulations containing this product. Suspected cancer-causing nitrosamines could be formed. 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			
Alcohol	Time Weighted Average (TWA): WEEL	10 ppm	44.20 mg/m3

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
Full rubber suit (rain gear)
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.

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 work shift and before eating, smoking or using the toilet. Provide readily accessible eye wash stations and safety showers.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Physical state	Liquid
Color	Pale, straw

ODOR: No data available

ODOR THRESHOLD: No data available

pH: No data available

MELTING POINT: @ 14° F, (-10° C)

BOILING POINT: @ 410° F, (210° C)

FLASH POINT: @ 216° F, (102° C)

EVAPORATION RATE: No data available

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FLAMMABILITY (solid, gas):	No data available
FLAMMABILITY LIMIT IN AIR	
Upper:	No data available
Lower:	No data available
VAPOR PRESSURE:	0.80 mmHg @ 70° F, (21° C) 6.32 mmHg @ 130° F, (54.44° 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:	80 mPa.s @ 70° F, (21.11° C)
MOLECULAR WEIGHT:	No data available

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. CAUTION: N-Nitrosamines, many of which are known to be potent carcinogens, may be formed when the product comes in contact with nitrous acid, nitrites or atmospheres with high nitrous oxide concentrations. Nitrous acid and other nitrosating agents 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 (NOx) Nitrogen Oxide can react with water vapors to form corrosive nitric acid. Carbon Monoxide Carbon Dioxide (CO ₂) Aldehydes Flammable hydrocarbon fragments Nitrosamine Chlorine

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

LIKELY ROUTES OF EXPOSURE

Effects on Eye:	Causes eye burns. May cause blindness.
Effects of Skin:	Causes skin burns. If absorbed through the skin, may cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties. Harmful in contact with skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Inhalation Effects:	Can cause severe eye, skin and respiratory tract burns. May cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties. Severe cases of overexposure can result in respiratory failure.

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Ingestion Effects: If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach. Harmful if swallowed.

Symptoms: No data is available

ACUTE TOXICITY Acute Toxicity – Component(s):

Oral:	Cycloaliphatic amine	LD50: 625 mg/kg	Species: Rat
	Alcohol	LD50: 1,230 mg/kg	Species: Rat
Inhalation:	Alcohol	LC50 (4 h) : >4.178 mg/l	Species: Rat
Dermal:	Cycloaliphatic amine	LD50: 2,110 mg/kg	Species: Rat
	Alcohol	LD50: 2,000 mg/kg	Species: Rat
Skin corrosion/irritation:	No data is available		
Eye damage/irritation:	No data is available		
Skin sensitisation:	May cause sensitization of susceptible persons by skin contact.		

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. Skin disorders and allergies.

SECTION 12: EGOLOGICAL INFORMATION

ECOTOXICITY EFFECTS

Aquatic toxicity:

Toxicity to fish – Component(s):

Cycloaliphatic amine	LC50 (96 H) : 46 mg/l	Species: Leuciscus idus (golden orfe)
Cycloaliphatic amine	LC50 (96 H) : > 100 mg/l	Species: Leuciscus idus (golden orfe)
Alcohol	LC50 (96 H) : 10 mg/l	Species: Lepomis macrochirus (bluefill sunfish)
Alcohol	LC50 (96 H) : 460 mg/l	Species: Pimephales promelas (fathead minnow)

Toxicity to Aquatic Invertebrates – Component(s):

Cycloaliphatic amine	EC50 (48 h) : 6.84 mg/l	Species: Daphnia magna (water flea)
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Toxicity to Aquatic Plants – Component(s):

Cycloaliphatic amine	EC50 (72 H) : 140-200 mg/l	Species: Algae
Alcohol	IC50 (72 h) : 700 mg/l	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: Alcohol: Low bioaccumulation potential

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SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Large quantities should be recovered. Collect small quantities in waste metal drums and seal for removal to an approved landfill, or incinerate in accordance with local, state, and federal regulations.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

DOT: ID NUMBER: UN2735
PROPER SHIPPING NAME: Amines, liquid, corrosive, n.o.s. (Cycloaliphatic amine)
HAZARD CLASS: 8
PACKING GROUP: III
Label(s): 8
Marine Pollutant: No

IATA: ID NUMBER: UN2735
PROPER SHIPPING NAME: Amines, liquid, corrosive, n.o.s. (Cycloaliphatic amine)
HAZARD CLASS: 8
PACKING GROUP: III
Label(s): 8
Marine Pollutant: No

IMDG: ID NUMBER: UN2735
PROPER SHIPPING NAME: Amines, liquid, corrosive, n.o.s. (Cycloaliphatic amine)
HAZARD CLASS: 8
PACKING GROUP: III
Label(s): 8
Marine Pollutant: No

TDG: ID NUMBER: UN2735
PROPER SHIPPING NAME: Amines, liquid, corrosive, n.o.s. (Cycloaliphatic amine)
HAZARD CLASS: 8
PACKING GROUP: III
Label(s): 8
Marine Pollutant: No

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): None

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.
AUSTRALIA	AICS	Not on Inventory.
JAPAN	ENCS	Included on Inventory
SOUTH KOREA	ECL	Included on Inventory
CHINA	SEPA	Included on Inventory
PHILIPPINES	PICCS	Not on Inventory.

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

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SECTION 16: DISCLAIMER

OTHER INFORMATION

HMIS Rating:

Health: 3

Flammability: 1

Physical Hazard: 1

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.