

SAFETY DATA SHEET

UPC 5000-Series Epoxy Resin Part A

SDS REVISION DATE: 05/05/2016

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Epoxy Resin Part A

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

Chronic aquatic toxicity 2
Serious eye damage/irritation 2
Skin sens. 1
Skin corrosion/irritation 2
Germ cell mutagenicity 2
Specific target organ toxicity:
 Single exposure (respiratory tract irritation) 3
 Repeated exposure (skin, blood system, kidneys, lungs) 1
Acute toxicity:
 Oral 4
 Dermal 4
Reproductive toxicity 2

LABEL ELEMENTS:

GHS LABEL ELEMENTS

HAZARD PICTOGRAMS:



SIGNAL WORD: Danger

HAZARD STATEMENTS:

H302+H312 Harmful if swallowed or in contact with skin.
H314+H315 Causes severe skin burns and eye damage and/or irritation
H317 May cause an allergic skin reaction
H318+H319 Causes serious eye damage/irritation
H341+H361 Suspected of causing genetic defects, damaging fertility or the unborn child
H335 May cause respiratory irritation
H372 Causes damage to organs through prolonged or repeated exposure (skin, blood system, kidneys, lungs)
H373 May cause damage to organs through prolonged or repeated exposure (central nervous system)
H410+H411 Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

PREVENTION:

P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P260 Do not breathe dust/fume/gas/mist/vapors/spray
P264 Wash skin thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P272 Contaminated work clothing should not be allowed out of the workplace
P273 Avoid release to the environment
P280 Wear protective gloves/protective clothing/eye protection/face protection

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RESPONSE:	P321	Specific treatment
	P301+P312+P330	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
	P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
	P302+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P302+P352	IF ON SKIN: Wash with plenty of soap and water
	P304+P340+P310	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician
	P305+P351+P338+P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician
	P308+P313	IF exposed or concerned: Get medical advice/attention.
	P332+P313	If skin irritation occurs: Get medical advice/attention
	P333+P313	If eye irritation persists: Get medical advice/attention
	P363	Wash contaminated clothing before reuse
	P391	Collect spillage
STORAGE:	P405	Store locked up
DISPOSAL:	P501	Dispose of contents/container to an approved waste disposal plant

OTHER HAZARDS:

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:	CAS #	AMOUNT
<ul style="list-style-type: none">4,4' -(1*methylethylidene)bisphenol polymer with (chloromethyl) oxirane	25068-38-6	85 – 88 %
<ul style="list-style-type: none">Glycidyl Neodecanoate	26761-45-5	10%
<ul style="list-style-type: none">Phenol, 4-nonyl-, branched	84852-15-3	4%
<ul style="list-style-type: none">Additives	N/A	>1%

Any remaining components are trade secret.

SECTION 4: FIRST AID MEASURES

GENERAL ADVICE:	Move out of dangerous area. Consult a physician. Do not leave the victim unattended.
INHALATION:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.
SKIN:	Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
EYES:	Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses. Protect unharmed eye. Get medical attention.. If eye irritation persists, go to hospital immediately.
INGESTION:	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

None known

NOTES TO PHYSICIANS/SPECIAL TREATMENT:

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
If seeking medical attention, provide SDS document to physician.

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA:

Avoid use of water jet for extinguishing. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SPECIFIC (UNUSUAL) HAZARDS:

Do not allow run-off from fire fighting to enter drains or water courses. In a fire or if heated, a pressure increase will occur and the container may burst.
Decomposition products may include the following materials: carbon dioxide, carbon monoxide

ADVICE FOR FIRE-FIGHTERS:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Move containers from fire area. Keep unauthorized personnel out. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. 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:

Wear proper personal protective apparatus as indicated in Section 8 and avoid skin contact and inhalation. Must work against the wind, let the upwind people evacuate. Move container to safe area from the leak area. Remove all sources of ignition. Do not direct water at spill or source of leak, avoid skin contact and inhalation.

ENVIRONMENTAL PRECAUTIONS:

Avoid dispersal of spilled material and runoff and contact with soil, waterways drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air)

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

ADDITIONAL ADVICE:

None known

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Put on appropriate personal protective equipment (see section 8 of SDS). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

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CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installation/working materials must comply with the technological safety standards. Keep away from oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS: Not available

ENGINEERING MEASURES: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Use only with adequate ventilation. If use operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

PERSONAL PROTECTION



EYE PROTECTION: Wear primary eye protection such as splash resistant safety goggles with a secondary protection face shield. Provide an emergency eye wash station and quick drench shower in the immediate work area.

SKIN PROTECTION: Complete suit protecting against chemicals. Impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

HAND PROTECTION: 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. Break through time; 4-8 h

RESPIRATORY PROTECTION: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

SPECIAL INSTRUCTIONS: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Physical state	Liquid
Color	Pale yellow/white

ODOR: Slight

ODOR THRESHOLD: No data available

pH: No data available

MELTING POINT: No data available

BOILING POINT: @ < 500° F, (< 260° C)

FLASH POINT: @ 498.2° F, (259° C)

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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:	<0.1 mmHg @ 77 °F, (25 °C)
WATER SOLUBILITY:	Negligible
RELATIVE VAPOR DENSITY:	No data available
RELATIVE DENSITY:	0.95
PARTITION COEFFICIENT:	No data available
AUTO-IGNITION TEMP:	No data available
DECOMP TEMP:	No data available
VISCOSITY:	12-14 Pa.s at 25 °C
MOLECULAR WEIGHT:	No data available
SPECIFIC GRAVITY:	1.16

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY:	This material is stable
POSSIBILITY OF HAZARDOUS REACTIONS:	Hazardous reactions or instability may occur under certain conditions of storage or use.
CONDITIONS TO AVOID:	No data available
MATERIAL TO AVOID:	Strong oxidizing agents, strong acids, strong alkalis, aliphatic amines
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	Carbon monoxide

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

LIKELY ROUTES OF EXPOSURE

Effects on Eye:	Causes serious eye irritation
Effects of Skin:	Causes skin irritation, May cause an allergic skin reaction
Inhalation Effects:	May cause respiratory irritation
Ingestion Effects:	Irritating to mouth, throat and stomach
Symptoms:	No data available

ACUTE TOXICITY	Acute Toxicity – Component(s):
Oral:	4.4' –(1*methylethylidene)bisphenol polymer with (chloromethyl) oxirane LD50 1001 Glycidyl Neodecanoate LD50: 9,600 mg/kg Species: Rat
Inhalation:	No data available
Dermal:	4.4' –(1*methylethylidene)bisphenol polymer with (chloromethyl) oxirane LD50 20010 Glycidyl Neodecanoate LD50: 3,800 mg/kg Species: Rat
Skin corrosion/irritation:	Causes serious skin irritation
Eye damage/irritation:	Causes serious eye irritation
Sensitization to respiratory:	No data available

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Skin sensitisation: May cause an allergic skin reaction

CHRONIC TOXICITY OR EFFECTS FROM LONG TERM EXPOSURES

Carcinogenicity: No data available

Reproductive toxicity: Phenol, 4-nonyl-, branched: Suspected human reproductive toxicant

Germ cell mutagenicity: No data available

Specific target organ systemic toxicity -

Single exposure: Glycidyl Neodecanoate: Respiratory tract irritation

Repeated exposure: Glycidyl Neodecanoate: Skin, liver, kidneys, blood stream

Aspiration hazard: No data available

SECTION 12: EGOLOGICAL INFORMATION

ECOTOXICITY EFFECTS

Aquatic toxicity:

Toxicity to fish – Component(s):

4.4' –(1*methylethylidene)bisphenol polymer with (chloromethyl) oxirane LC50 1.41 mg/l Species: Oryzias latipes (Japanese rice fish)

Toxicity to Aquatic Invertebrates – Component(s):

Phenol EC10 4.6 mg/l Species: Daphnia magna (water flea)

Toxicity to Crustaceans – Component(s):

4.4' –(1*methylethylidene)bisphenol polymer with (chloromethyl) oxirane EC50 1.7 mg/l

Toxicity to other organisms – Component(s):

No data available

PERSISTENCE AND DEGRADABILITY

Biodegradability: No data available

Mobility in soil: No data available

Bioaccumulation: 4.4' –(1*methylethylidene)bisphenol polymer with (chloromethyl) oxirane BCF 0.56 – 0.67

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

DOT: ID NUMBER: UN3145
PROPER SHIPPING NAME: Alkylphenols, Liquid, N.O.S. (Nonyl Phenol)
HAZARD CLASS: 8
PACKING GROUP: II
Label(s): Corrosive
Marine Pollutant: Yes

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IATA: ID NUMBER: UN3145
PROPER SHIPPING NAME: Alkylphenols, Liquid, N.O.S. (Nonyl Phenol)
HAZARD CLASS: 8
PACKING GROUP: II
Label(s): Corrosive

IMDG: ID NUMBER: UN3145
PROPER SHIPPING NAME: Alkylphenols, Liquid, N.O.S. (Nonyl Phenol)
HAZARD CLASS: 8
PACKING GROUP: II
Label(s): 8
Marine Pollutant: Yes

TDG: Not regulated

Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

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	Included on Inventory
AUSTRALIA	AICS	Included on Inventory
JAPAN	ENCS	Included on Inventory
SOUTH KOREA	ECL	Included on Inventory
CHINA	SEPA	Included on Inventory
PHILIPPINES	PICCS	Included on Inventory

EPA SARA Title III Section 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.

SECTION 16: DISCLAIMER

OTHER INFORMATION

HMIS 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.