

# SAFETY DATA SHEET

UPC 2700 Water Based Urethane Part A

SDS REVISION DATE: 05/05/2016

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Water-Based Urethane  
**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

**LABEL ELEMENTS:**  
**GHS LABEL ELEMENTS**  
**HAZARD PICTOGRAMS:**



**SIGNAL WORD:** Warning

### HAZARD STATEMENTS:

H302 Harmful if swallowed  
H315 Causes skin irritation  
H320 Causes eye irritation  
H335 May cause respiratory irritation

### PRECAUTIONARY STATEMENTS:

**PREVENTION:** P264 Wash thoroughly after handling  
P270 Do not eat, drink or smoke when using this product  
P281 Use personal protective equipment as required

**RESPONSE:** P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
P330 Rinse mouth

**STORAGE:** P404 Store in a closed container.  
P404+P233 Store in a well-ventilated place. Keep container tightly closed  
P403 Store in dry place

**DISPOSAL:** P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

### OTHER HAZARDS:

None known

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:	CAS #	AMOUNT
• Hydroxyfunctional Polyacrylic Urethane	TS	70-80%
• Dipropylene glycol n-butylether	29911-28-2	8%

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- |                   |          |        |
|-------------------|----------|--------|
| • Triethanolamine | 102-71-6 | 0.5-3% |
| • Additives       | TS       | >3%    |

Any remaining components are trade secret.

## SECTION 4: FIRST AID MEASURES

<b>INHALATION:</b>	Move to fresh air. If breathing is difficult, give oxygen. Perform artificial respiration if breathing has stopped.
<b>SKIN:</b>	In case of skin contact, wash affected area with soap and water. Immediately remove contaminated clothing and shoes. Get medical attention if irritation develops.
<b>EYES:</b>	In case of contact, flush eyes with plenty of lukewarm water, for at least 15 minutes. Use fingers to ensure that eyelids are separated and that the eye is being irrigated. Get medical attention if irritation develops.
<b>INGESTION:</b>	Do NOT induce vomiting. Never give liquid to an unconscious person. Get medical attention immediately.
<b>MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:</b>	No data available
<b>NOTES TO PHYSICIANS/SPECIAL TREATMENT:</b>	If seeking medical attention, provide SDS document to physician..

## SECTION 5: FIRE-FIGHTING MEASURES

<b>EXTINGUISHING MEDIA:</b>	Carbon dioxide (CO <sub>2</sub> ), Dry chemical, foam, water spray
<b>SPECIFIC (UNUSUAL) HAZARDS:</b>	Fire or excessive heat may result in rupture of container due to release of significant amounts of gases. The fire could easily be spread by the use of water in an area where the water could not be contained.  By fire and thermal decomposition: carbon dioxide (CO <sub>2</sub> ), carbon monoxide (CO), oxides of nitrogen (NO <sub>x</sub> ), dense black smoke, other undetermined compounds.
<b>ADVICE FOR FIRE-FIGHTERS:</b>	Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture. Avoid water in straight hose stream; will scatter and spread fire. Evacuate area.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:</b>	Use personal protective equipment
<b>ENVIRONMENTAL PRECAUTIONS:</b>	Avoid release to the environment. Dike or dam spilled material and control further spillage, if possible.
<b>METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:</b>	Absorb spillage with non-combustible, absorbent material. Cover spill with inert material (e.g., dry sand or earth) and collect for proper disposal. Wash spill area with soap and water. Ventilate area to remove vapors or dust.

## SECTION 7: HANDLING AND STORAGE

<b>PRECAUTIONS FOR SAFE HANDLING:</b>	Use personal protective equipment as required. Do not get in eyes. Wash thoroughly after handling. Container must be kept tightly closed. Avoid breathing dust, vapor or mist. Protect from freezing.
<b>CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:</b>	Storage Period: 6 months after receipt of material. Storage Temperature: Minimum 7°C (44.6°F), Maximum 25°C (77°F)

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Storage Conditions: Store in a cool dry place. Store in original or similar containers. Store separate from food products.  
Substances to Avoid: water reactives

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### CONTROL PARAMETERS:

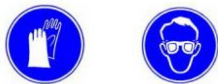
Chemical Name	US. ACGIH TLV
Triethanolamine 102-71-6	TWA: 5 mg/m <sup>3</sup>

Any component which is listed in section 3 and is not listed in this section does not have a known ACGIH TLV, OSHA PEL or supplier recommended occupational exposure limit.

**ENGINEERING MEASURES:** No data available

**INDUSTRIAL HYGIENE/  
VENTILATION MEASURES:** General dilution and local exhaust as necessary to control airborne vapors, mists, dusts and thermal decomposition products below appropriate airborne concentration standards/guidelines. Thermal processing operations should be ventilated to control gases and fumes given off during processing curing ovens must be ventilated to prevent the buildup of explosive atmospheres and to prevent off gases from entering the work place.

### PERSONAL PROTECTION



**EYE PROTECTION:** Chemical safety goggles or safety glasses with side-shields.

**SKIN PROTECTION:** Permeation resistant clothing. Gloves, long sleeved shirts and pants.

**HAND PROTECTION:** Permeating safety gloves, butyl rubber gloves, nitrile rubber gloves

**RESPIRATORY PROTECTION:** No data available

**SPECIAL INSTRUCTIONS:** Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product. Store separate from food products.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE:

**Physical state** Liquid  
**Color** Milky white

**ODOR:** Mild

**ODOR THRESHOLD:** No data available

**pH:** 7-8 (determined in a 10% aqueous solution)

**FREEZING POINT:** 0°C (32°F) similar to water

**BOILING POINT:** 100° (212°F) similar to water

**FLASH POINT:** Not applicable (water based product), however, solid material will support combustion if water has been evaporated.

**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:** No data available

**WATER SOLUBILITY:** miscible

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VAPOR DENSITY:	No data available
RELATIVE DENSITY:	ca. 1.06 g/cm <sup>3</sup> @ 20°C (68°F)
PARTITION COEFFICIENT:	No data available
AUTO-IGNITION TEMP:	ca. 455°C (851°F)
DECOMP TEMP:	No data available
VISCOSITY:	1,000 – 3,500 mPa.s @ 23°C (73.4°F)
SPECIFIC GRAVITY:	Approximately 1.19 @ 25°C (77°F)
BULK DENSITY:	Approximately 1,.066 kg/m <sup>3</sup>

## SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable
POSSIBILITY OF HAZARDOUS REACTIONS:	Hazardous polymerization does not occur.
CONDITIONS TO AVOID:	Protect from freezing
MATERIAL TO AVOID:	Water reactives
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	By fire and thermal decomposition: carbon dioxide (CO <sub>2</sub> ), carbon monoxide (CO), oxides of nitrogen (NO <sub>x</sub> ), dense black smoke, other undetermined compounds

## SECTION 11: TOXICOLOGICAL INFORMATION

### INFORMATION ON TOXICOLOGICAL EFFECTS

#### LIKELY ROUTES OF EXPOSURE

Effects on Eye:	No data available		
Effects of Skin:	No data available		
Inhalation Effects:	No data available		
Ingestion Effects:	No data available		
Symptoms:	No data available		
ACUTE TOXICITY	Acute Toxicity – Component(s):		
Oral:	>5000 mg/kg		
Inhalation:	- Dipropylene glycol n-butyletherL	LC50 >5.4 mg/l (with restriction) LC50 >2.04 mg/l (without restriction)	Species: Rat Species: Rat
Dermal:	No data available		
Skin corrosion/irritation:	No data available		
Eye damage/irritation:	No data available		
Sensitization to respiratory:	No data available		
Skin sensitisation:	No data available		

#### CHRONIC TOXICITY OR EFFECTS FROM LONG TERM EXPOSURES

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

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Aspiration hazard: No data available

## SECTION 12: EGOLOGICAL INFORMATION

### ECOTOXICITY EFFECTS

**Aquatic toxicity:**

Toxicity to Fish – Component(s): No data available  
Toxicity to Aquatic Invertebrates – Component(s): No data available  
Toxicity to Aquatic Plants – Components(s): No data available  
Toxicity to other organisms – Components(s): No data available

### PERSISTENCE AND DEGRADABILITY

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

## SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Waste disposal should be in accordance with existing federal, state and local environmental control laws.  
Recondition or dispose of empty container in accordance with governmental regulations.

## SECTION 14: TRANSPORT INFORMATION

### U.S. DEPARTMENT OF TRANSPORTATION

**DOT:** Not regulated  
**IATA:** Not regulated  
**IMDG:** Not regulated  
**TDG:** Not regulated

## 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 311/312 (40 CFR 370) Hazard Classification: Non- Hazard

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

EPA SARA Title III Section 302 (40 CFR 355) Component(s): None

EPA SARA Title III Section 313 (40 CFR 372.65) Component(s): None

US California Safe Drinking Water & Toxic Enforcement Act (Proposition 65): None

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## SECTION 16: DISCLAIMER

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### OTHER INFORMATION

HMIS Rating:

Health: 2

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.