

SAFETY DATA SHEET

UPC 2701 Water Based Urethane "Matte" Part A

SDS REVISION DATE: 05/05/2016

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Water-Based Urethane "Matte"
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	90%
• Triethanolamine	102-71-6	0.25-2%
• Additives	TS	>3%
• Ammonia	7664-41-7	0.1-1%

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Any remaining components are trade secret.

SECTION 4: FIRST AID MEASURES

INHALATION:	Move to fresh air. If breathing is difficult, give oxygen. Perform artificial respiration if breathing has stopped.
SKIN:	In case of skin contact, wash affected area with soap and water. Immediately remove contaminated clothing and shoes. Get medical attention if irritation develops.
EYES:	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.
INGESTION:	Do NOT induce vomiting. Never give liquid to an unconscious person. Get medical attention immediately.
MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:	Not expected to cause adverse acute health effects.
NOTES TO PHYSICIANS/SPECIAL TREATMENT:	If seeking medical attention, provide SDS document to physician..

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA:	Carbon dioxide (CO ₂), Dry chemical, foam, water spray
SPECIFIC (UNUSUAL) HAZARDS:	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 ₂), carbon monoxide (CO), oxides of nitrogen (NO _x), dense black smoke, and other undetermined compounds.
ADVICE FOR FIRE-FIGHTERS:	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

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:	Use personal protective equipment
ENVIRONMENTAL PRECAUTIONS:	Avoid release to the environment. Dike or dam spilled material and control further spillage, if possible.
METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:	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

PRECAUTIONS FOR SAFE HANDLING:	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.
CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:	Storage Period: 6 months after receipt of material. Storage Temperature: Minimum 7°C (44.6°F), Maximum 25°C (77°F) Storage Conditions: Store in a cool dry place. Store in original or similar containers. Store separate from food products. Substances to Avoid: Water reactives, oxidizing agents, isocyanates

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:

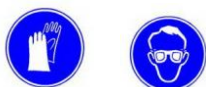
Chemical Name	US. ACGIH TLV
Triethanolamine	TWA: 5 mg/m ³
Ammonia	TWA: 25 ppm
	STEL: 35 ppm

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: ca. 7.9 @ 22°C (71.6°F)
(Determined in a 10% aqueous solution)

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

BOILING POINT: 208.4°F, (>98°C) @ 1,013 hPa

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: 23 hPa @ 68°F, (20°C)
116 hPa @ 122°F, (50°C)
148 hPa @ 131°F, (55°C)

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WATER SOLUBILITY:	miscible
VAPOR DENSITY:	No data available
RELATIVE DENSITY:	ca. 1.05 g/cm ³ @ 68°F, (20°C)
PARTITION COEFFICIENT:	No data available
AUTO-IGNITION TEMP:	ca. 806°F, (430°C)
DECOMP TEMP:	No data available
VISCOSITY:	600-800 mPa.s @ 68°F, (20°C)
SPECIFIC GRAVITY:	1.054 @ 68°F, (20°C)

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, oxidizing agents, isocyanates
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	By fire and thermal decomposition: carbon dioxide (CO ₂), carbon monoxide (CO), oxides of nitrogen (NO _x), dense black smoke, other undetermined compounds

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

LIKELY ROUTES OF EXPOSURE

Effects on Eye:	Not expected to cause adverse acute or chronic health effects
Effects of Skin:	Not expected to cause adverse acute or chronic health effects
Inhalation Effects:	Not expected to cause adverse acute or chronic health effects
Ingestion Effects:	No data available
Symptoms:	No data available

ACUTE TOXICITY

Oral:	LD50: >5,000 mg/kg	Species: Rat
Inhalation:	No data available	
Dermal:	No data available	
Skin corrosion/irritation:	non irritant	Species: Rabbit
Eye damage/irritation:	slight irritant	Species: Rabbit
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: Acute Toxicity to Fish: LC50: >100 mg/l, 96h
Species: Danio rerio (Zebra fish)

Acute Toxicity to Aquatic Invertebrates: EC50: 70.7 mg/l, 48h
Species: Daphnia magna (water flea)

Toxicity to other organisms: Toxicity to Microorganisms: EC50: >10,000 mg/l, (activated sludge)

PERSISTENCE AND DEGRADABILITY

Biodegradability: Not readily degradable

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

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 372.65) Component(s): None

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

US California Safe Drinking Water & Toxic Enforcement Act (Proposition 65): This product contains >0.1% chemicals known to be developmental toxin.

State Right-To-Know: Massachusetts, New Jersey, Pennsylvania

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SECTION 16: DISCLAIMER

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.