



# SAFETY DATA SHEET

## SECTION 1 - Chemical Product and Company Information

Product Name: AQUA-PLASTIC WB URETHANE-SATIN Product Code: 1WB-1427

Manufactured by:  
**Gemini Coatings**  
2300 Holloway Drive  
El Reno, OK 73036  
800-262-5710

**24- Hour Emergency (Spill, Leak, Exposure or Accident):**  
**INFOTRAC 800-535-5053**  
**Outside USA, Call Collect 1-352-323-3500**

**24- Hour Emergency HAZMAT Response and MSDS Help:**  
**EMI 800-510-8510**

Product Use: A protective and/or decorative finish or accompanying product (reference label or product data sheet for more information).

Not recommended for: Any other use not detailed on product data sheet or label.

## SECTION 2 - Hazards Identification

### GHS Ratings:

Oral Toxicity  
Reproductive toxin

Acute Tox. 3  
1B

Oral>50+<=300mg/kg  
Presumed, Based on experimental animals

### GHS Hazards

H301 Toxic if swallowed  
H360 May damage fertility or the unborn child

### GHS Precautions

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood  
P264 Wash any exposed skin thoroughly after handling  
P270 Do not eat, drink or smoke when using this product  
P281 Use personal protective equipment as required  
P321 Specific treatment (see First Aid section on this label)  
P330 Rinse mouth  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
P308+P313 IF exposed or concerned: Get medical advice/attention  
P405 Store locked up  
P501 Do not flush to sewer, watershed or waterway. Dispose of product in accordance with applicable local, county, state and federal regulations.

Signal Word: **Danger**



## SECTION 3 - Composition/Information on Ingredients

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Diethylene glycol monomethyl ether 111-77-3 5%			
2,2,4-Trimethylpentane-1,3-diol monoisobutyrate 25265-77-4 3%			
1,2-Propylene glycol 57-55-6 3%			
Silica, amorphous, fumed, crystalline-free 112945-52-5 1%			

#### SECTION 4 - First Aid Measures

**Inhalation:**

Remove exposed individual to fresh air and assist breathing if necessary. Vapor or mist can cause headache, nausea and irritation of the nose, throat and lungs in poorly ventilated areas.

**Eye Contact:**

Direct contact may cause eye irritation. Flush eyes with lukewarm water for 15 minutes. Seek medical attention immediately.

**Skin:**

Irritating to the skin on repeated or prolonged contact. Remove contaminated clothing, wash area immediately with soap and water. See physician if irritation persists.

**Ingestion:**

Can cause gastrointestinal irritation. Rinse mouth out immediately. DO NOT induce vomiting. Contact physician or poison control center immediately.

#### SECTION 5 - Fire Fighting Measures

Alcohol Foam, CO2, Dry Chemical

Closed containers exposed to extreme heat may rupture due to pressure buildup. Product will not burn but may spatter if temperature exceeds boiling point of product.

Dried finish can burn, giving off oxides of carbon.

None known. However, fire fighters should wear self-contained breathing apparatus to avoid inhalation if material is involved in a general fire.

#### SECTION 6 - Accidental Release Measures

Keep out of sewers. Dike spill area and add absorbent earth, sand or sawdust to spilled liquid. Collect absorbent/spilled liquid into metal containers. Dispose of in accordance with local, state and federal regulations. DO NOT incinerate closed containers. Incinerate in approved facilities. Follow all hazard precautions given in this data sheet until container is thoroughly cleaned and destroyed.

#### SECTION 7- Handling and Storage

**Handling:**

Bond and ground metal containers when transferring liquid. Avoid free fall of liquid in excess of a few inches.

Personnel should avoid inhalation of vapors. Personal contact with the product should be avoided. Should contact be made, remove saturated clothing and flush affected skin areas with water. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in this sheet must be observed.

\*\* Keep temperature above 32 Degrees F.

**Storage:**

Keep containers tightly closed when not in use. Keep product containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. DO NOT SMOKE in or near storage areas. KEEP FROM FREEZING.

SECTION 8 - Exposure Controls/Personal Protection			
Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Diethylene glycol monomethyl ether 111-77-3			
2,2,4-Trimethylpentane-1,3-diol monoisobutyrate 25265-77-4			
1,2-Propylene glycol 57-55-6			
Silica, amorphous, fumed, crystalline-free 112945-52-5			

Provide general clean air dilution or local exhaust ventilation in volume and pattern to keep the air contaminant concentration below applicable exposure limits. Avoid prolonged or repeated breathing of vapors.

**Respiratory Protection:**

If exposure exceeds TLV or PELs, use NIOSH approved respirator to prevent overexposure.

**Skin Protection:**

Polyethylene handling gloves for skin protection. Must be impervious to water and soap.

**Eye Protection:**

Wear splash proof goggles and face shield if there is a likelihood of contact with eyes. Provide eyewash station and emergency shower. Use of protective creams, head caps, etc. is recommended.

**Hygienic Practices**

Wash hands thoroughly before eating or using the restroom. Remove contaminated clothing immediately and do not wear again until it has been properly laundered.

<b>SECTION 9 - Physical and Chemical Properties</b>
---

<p><b>Vapor Density</b> Heavier Than Air</p> <p><b>Boiling range:</b> 100 - 196°C</p> <p><b>Freezing point:</b> N/A</p> <p><b>Flammability:</b> N/A</p> <p><b>Autoignition temperature:</b> 215°C</p> <p><b>Relative Density:</b> N/A</p> <p><b>Odor threshold:</b> N/A</p> <p><b>SPECIFIC GRAVITY</b> 1.0322</p> <p><b>Partition coefficient (n- N/A octanol/water):</b></p> <p><b>Grams VOC less water:</b> N/A</p> <p><b>% WT. VOLATILE (VOC)</b> 11.8086</p> <p><b>Lbs VOC/Gallon Solids</b> 3.6385</p> <p><b>SOLIDS VOL%</b> 27.8951</p> <p><b>SPREAD @ 1 MIL</b> 447.4378</p>	<p><b>Evaporation Rate</b> Slower than Butyl Acetate</p> <p><b>Melting point:</b> N/A</p> <p><b>Flash point:</b> 210°F, 99°C</p> <p><b>Explosive Limits:</b> N/A</p> <p><b>Decomposition temperature:</b> N/A</p> <p><b>Vapor Pressure</b> N/A</p> <p><b>pH:</b> N/A</p> <p><b>Solubility:</b> N/A</p> <p><b>Viscosity:</b> N/A</p> <p><b>% VOLUME VOLATILE (VOC)</b> 12.2254</p> <p><b>% Fig. by wt.</b> 3.1131</p> <p><b>VOLATILE WT%</b> 69.6392</p> <p><b>DENSITY (Lb/Gal)</b> 8.5953</p> <p><b>HAPS (lbs/gal)</b> 0.4348</p>
---	---

<b>Appearance</b> Colored Liquid <b>Physical State</b> Liquid <b>Coating VOC (g/l)</b> 303.1478 <b>Coating VOC (Lb/Gl)</b> 2.5298	<b>Odor</b> N/A <b>Material VOC (g/l)</b> 121.6246 <b>Material VOC (Lb/Gl)</b> 1.0150
--	---

**SECTION 10 - Stability and Reactivity**

**Stability:** Stable under normal conditions.

**Materials to Avoid:** None known.

**Conditions to avoid:** Excessive heat, poor ventilation, excessive aging.

**Hazardous Decomposition:** Thermal decomposition or combustion can produce fumes of carbon dioxide and carbon monoxide.

Hazardous polymerization will not occur.

**SECTION 11 - Toxicological Information**

**Mixture Toxicity**

Oral Toxicity LD50: 57mg/kg  
Inhalation Toxicity LC50: 108mg/L

**Component Toxicity**

111-77-3	Diethylene glycol monomethyl ether Oral LD50: 4 mL/kg (Rat) Dermal LD50: 650 mg/kg (Rabbit)
25265-77-4	2,2,4-Trimethylpentane-1,3-diol monoisobutyrate Oral LD50: 3,200 mg/kg (Rat) Inhalation LC50: 4 mg/L (Rat)

**Primary Routes of Entry:** Inhalation, Skin Contact, Eyes, Ingestion

**Skin:**

Skin contact can cause redness, dryness or rash. Prolonged contact can cause irritation, dry skin, cracks, and dermatitis.

**Ingestion:**

Can cause vomiting, nausea, diarrhea, and gastrointestinal irritation.

**Inhalation:**

Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea. Breathing high vapor concentrations may produce narcosis. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentration and inhaling the contents may be harmful or fatal.

**Eyes:**

Can cause irritation, redness, tearing and blurred vision.

**Carcinogenicity:** The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			N/A

**SECTION 12 - Ecological Information**

**Ecological Information:**

Uncontrolled release of the product may result in contamination of air, ground, waterways and/or sewers.

**Component Ecotoxicity**

Diethylene glycol monomethyl ether	LC50 96 h Lepomis macrochirus 7500 mg/L [static] (EPA); LC50 96 h Lepomis macrochirus 7500 mg/L (IUCLID); LC50 96 h Pimephales promelas 5741 mg/L (IUCLID) EC50 48 h Daphnia magna >500 mg/L (IUCLID) EC50 72 h Desmodesmus subspicatus >500 mg/L (IUCLID)
2,2,4-Trimethylpentane-1,3-diol monoisobutyrate	LC50 96 h Pimephales promelas 30 mg/L EC50 72 h Pseudokirchneriella subcapitata 18.4 mg/L (IUCLID)
1,2-Propylene glycol	LC50 96 h Oncorhynchus mykiss 51600 mg/L [static] (IUCLID); LC50 96 h Oncorhynchus mykiss 41 - 47 mL/L [static] (EPA); LC50 96 h Pimephales promelas 51400 mg/L [static] (IUCLID); LC50 96 h Pimephales promelas 710 mg/L (EPA) EC50 48 h Daphnia magna >1000 mg/L [Static] (EPA) EC50 96 h Pseudokirchneriella subcapitata 19000 mg/L (IUCLID)

### SECTION 13 - Disposal Considerations

Do not flush to sewer, watershed or waterway. Dispose of product in accordance with applicable local, county, state and federal regulations. See Section 8 for information on exposure control and necessary personal protective equipment.

### SECTION 14 - Transportation Information

Ship according to the Department of Transportation (DOT) 49 CFR regulations.

<b>Agency</b>	<b>Proper Shipping Name</b>	<b>UN Number</b>	<b>Packing Group</b>	<b>Hazard Class</b>
DOT	NOT REGULATED			
	<b>Freight Class:</b>			

### SECTION 15 - Regulatory Information

**California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):**

This product contains the following listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

- None

**The following ingredients are listed in the TSCA Section 8(b) Inventory (Hydrated forms of chemical substances are exempt from the inventory as mixtures; the anhydrous chemical substances, however, are reportable for the inventory):**

- 25265-77-4 2,2,4-Trimethylpentane-1,3-diol monoisobutyrate
- 57-55-6 1,2-Propylene glycol
- 111-77-3 Diethylene glycol monomethyl ether
- 7732-18-5 Water

**US CAA Section 112 Hazardous Air Pollutants (HAPs) List**

- None

**US EPCRA (SARA Title III) Section 313 - Toxic Chemical:**

- None

**Hazardous Material Information System (HMIS)**

HEALTH	<input type="text" value="3"/>	<b>HMIS &amp; NFPA Hazard Rating Legend</b> * = Chronic Health Hazard <b>0 = INSIGNIFICANT</b> <b>1 = SLIGHT</b> <b>2 = MODERATE</b> <b>3 = HIGH</b>
FLAMMABILITY	<input type="text" value="1"/>	
PHYSICAL HAZARD	<input type="text" value="0"/>	
PERSONAL PROTECTION	<input checked="" type="checkbox"/>	

### SECTION 16 - Disclaimer

Date Prepared: 10/18/2022

Date revised: 2022-09-27

Reviewer Revision

THIS DOCUMENT SUPERSEDES ANY PROVISION CONTAINED IN THE FORMS, LETTERS, AND PAPERS OF YOUR COMPANY. THIS PRODUCT IS DESIGNED AND INTENDED FOR PROFESSIONAL APPLICATION ONLY. ALL PRODUCTS SHOULD BE THOROUGHLY TESTED UNDER APPLICATION CONDITIONS PRIOR TO USE. THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE RELIABLE. HOWEVER, GEMINI MAKES NO WARRANTY CONCERNING THIS PRODUCT, WHETHER EXPRESS OR IMPLIED. INCLUDING THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. UNDER NO CIRCUMSTANCES SHALL GEMINI BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR ANY OTHER DAMAGES FROM ALLEGED NEGLIGENCE, BREACH OR WARRANTY, STRICT LIABILITY, OR ANY OTHER LEGAL THEORY, ARISING OUT OF THE USE OR HANDLING OF THIS PRODUCT. THE SOLE REMEDY OF THE BUYER AND THE SOLE LIABILITY OF GEMINI FOR ANY CLAIMS SHALL BE LIMITED TO THE BUYER'S PURCHASE PRICE OF THE PRODUCT WHICH IS THE SUBJECT OF THE CLAIM OR THE AMOUNT ACTUALLY PAID FOR SUCH PRODUCT, WHICHEVER IS LESS. TECHNICAL ADVICE FURNISHED BY GEMINI SHALL NOT CONSTITUTE AN EXPRESS WARRANTY, WHICH IS EXPRESSLY DISCLAIMED. ALL TECHNICAL ADVICE GIVEN IS ACCEPTED AT THE RISK OF THE BUYER.