



SAFETY DATA SHEET

SECTION 1 - Chemical Product and Company Information

Product Name: WB 30 SHEEN URETH.MOD.TC Product Code: MOD-0030

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:

Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity ≥ 3 , Iritis > 1.5
Reproductive toxin	1B	Presumed, Based on experimental animals

GHS Hazards

H315	Causes skin irritation
H318	Causes serious eye damage
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
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment (see First Aid section on this label)
P362	Take off contaminated clothing and wash before reuse
P302+P352	IF ON SKIN: Wash with soap and water
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: 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
1-Methyl-2-pyrrolidone 872-50-4 5% - 10%			
Diethylene glycol monobutyl ether 112-34-5 1% - 5%		10 ppm TWA (inhalable fraction and vapor)	
Triethylamine 121-44-8 1% - 5%	25 ppm TWA; 100 mg/m ³ TWA	1 ppm STEL 0.5 ppm TWA	
2-BUTOXYETHANOL 111-76-2 1% - 5%	50 ppm TWA; 240 mg/m ³ TWA	20 ppm TWA	NIOSH: 5 ppm TWA; 24 mg/m ³ TWA

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
1-Methyl-2-pyrrolidone 872-50-4			
Diethylene glycol monobutyl ether 112-34-5		10 ppm TWA (inhalable fraction and vapor)	
Triethylamine 121-44-8	25 ppm TWA; 100 mg/m3 TWA	1 ppm STEL 0.5 ppm TWA	
2-BUTOXYETHANOL 111-76-2	50 ppm TWA; 240 mg/m3 TWA	20 ppm TWA	NIOSH: 5 ppm TWA; 24 mg/m3 TWA

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.

SECTION 9 - Physical and Chemical Properties

<p>Vapor Density Heavier Than Air</p> <p>Boiling range: 90 - 230°C</p> <p>Freezing point: N/A</p> <p>Flammability: N/A</p> <p>Autoignition temperature: 228°C</p> <p>Relative Density: N/A</p> <p>Odor threshold: N/A</p> <p>SPECIFIC GRAVITY 1.0105</p> <p>Partition coefficient (n-octanol/water): N/A</p>	<p>Evaporation Rate Slower than Butyl Acetate</p> <p>Melting point: N/A</p> <p>Flash point: 212°F, 100°C</p> <p>Explosive Limits: N/A</p> <p>Decomposition temperature: N/A</p> <p>Vapor Pressure N/A</p> <p>pH: N/A</p> <p>Solubility: N/A</p> <p>Viscosity: N/A</p>
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Grams VOC less water: N/A % WT. VOLATILE (VOC) 6.2493 Lbs VOC/Gallon Solids 1.0284 SOLIDS VOL% 51.1282 SPREAD @ 1 MIL 820.0965 Appearance Colored Liquid Physical State Liquid Coating VOC (g/l) 108.7506 Coating VOC (Lb/Gl) 0.9075	% VOLUME VOLATILE (VOC) 6.8103 % Pig. by wt. 0.5904 VOLATILE WT% 47.7416 DENSITY (Lb/Gal) 8.4140 HAPS (lbs/gl) 0.2514 Odor N/A Material VOC (g/l) 63.0085 Material VOC (Lb/Gl) 0.5258
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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

Inhalation Toxicity LC50: 33mg/L

Component Toxicity

872-50-4	1-Methyl-2-pyrrolidone Oral LD50: 3,914 mg/kg (Rat) Dermal LD50: 8 g/kg (Rabbit) Inhalation LC50: 3 mg/L (Rat)
112-34-5	Diethylene glycol monobutyl ether Dermal LD50: 2,700 mg/kg (Rabbit)
121-44-8	Triethylamine Oral LD50: 460 mg/kg (Rat) Dermal LD50: 415 mg/kg (Rabbit) Inhalation LC50: 1,250 ppm
111-76-2	2-BUTOXYETHANOL Oral LD50: 470 mg/kg (Rat) Dermal LD50: 99 mg/kg (Rabbit) Inhalation LC50: 486 ppm (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>
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SECTION 12 - Ecological Information

Ecological Information:

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

Component Ecotoxicity

1-Methyl-2-pyrrolidone	LC50 96 h Lepomis macrochirus 832 mg/L [static] (IUCLID); LC50 96 h Pimephales promelas 1072 mg/L [static] (IUCLID); LC50 96 h Poecilia reticulata 1400 mg/L [static] (IUCLID) EC50 48 h Daphnia magna 4897 mg/L (IUCLID) EC50 72 h Desmodemus subspicatus >500 mg/L (IUCLID)
Diethylene glycol monobutyl ether	LC50 96 h Lepomis macrochirus 1300 mg/L [static] (EPA) EC50 48 h Daphnia magna >100 mg/L (IUCLID) EC50 96 h Desmodemus subspicatus >100 mg/L (IUCLID)
Triethylamine	LC50 96 h Pimephales promelas 43.7 mg/L [static] (IUCLID) EC50 48 h Daphnia magna 200 mg/L (IUCLID)
2-BUTOXYETHANOL	LC50 96 h Lepomis macrochirus 1490 mg/L [static] (EPA); LC50 96 h Lepomis macrochirus 2950 mg/L (IUCLID) EC50 48 h Daphnia magna >1000 mg/L (EPA)

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.

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
DOT	PAINT	UN1263	II	3
	Freight Class:			

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.

872-50-4 1-Methyl-2-pyrrolidone

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):

111-76-2 2-BUTOXYETHANOL
121-44-8 Triethylamine
112-34-5 Diethylene glycol monobutyl ether
872-50-4 1-Methyl-2-pyrrolidone
7732-18-5 Water

US CAA Section 112 Hazardous Air Pollutants (HAPs) List

121-44-8 Triethylamine

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

121-44-8 Triethylamine
872-50-4 1-Methyl-2-pyrrolidone

Hazardous Material Information System (HMIS)

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

SECTION 16 - Disclaimer

Date Prepared: 3/13/2020
Date revised: 2020-03-13 Reviewer Revision 1

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