

SAFETY DATA SHEET

SECTION 1 - Chemical Product and Company Information

Product Name: DuraWave WB Clear 1K/2K Polyurethane S/G Product Code: 280300-SG

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:

Flammable liquid	3	Flash point $\geq 23^{\circ}\text{C}$ and $\leq 60^{\circ}\text{C}$ (140°F)
Oral Toxicity	Acute Tox. 2	Oral >5 and ≤ 50 mg/kg
Skin corrosive	3	Reversible adverse effects in dermal tissue, Draize score: ≥ 1.5 and < 2.3
Carcinogen	2	Limited evidence of human or animal carcinogenicity
Reproductive toxin	2	Human or animal evidence possibly with other information

GHS Hazards

H226	Flammable liquid and vapour
H300	Fatal if swallowed
H316	Causes mild skin irritation
H351	Suspected of causing cancer
H361	Suspected of damaging 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
P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/light/mixers/equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P264	Wash any exposed skin thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P280	Wear protective gloves/protective clothing/eye protection/face protection
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
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: Get medical advice/attention
P370+P378	In case of fire: Use the NFPA Class B extinguisher for extinction
P405	Store locked up
P403+P235	Store in a well ventilated place. Keep cool
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
2-BUTOXYETHANOL 111-76-2 4%	50 ppm TWA; 240 mg/m3 TWA	20 ppm TWA	NIOSH: 5 ppm TWA; 24 mg/m3 TWA
2-Propanol, 1-(2-butoxy-1-methylethoxy)- 29911-28-2 4%			

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
2-BUTOXYETHANOL 111-76-2	50 ppm TWA; 240 mg/m3 TWA	20 ppm TWA	NIOSH: 5 ppm TWA; 24 mg/m3 TWA
2-Propanol, 1-(2-butoxy-1- methylethoxy)- 29911-28-2			

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: 100 - 168°C</p> <p>Freezing point: N/A</p> <p>Flammability: N/A</p> <p>Autoignition temperature: 189°C</p> <p>Relative Density: N/A</p> <p>Odor threshold: N/A</p>	<p>Evaporation Rate Slower than Butyl Acetate</p> <p>Melting point: N/A</p> <p>Flash point: 140°F, 60°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>
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SPECIFIC GRAVITY 1.0301 Partition coefficient (n- N/A octanol/water): Grams VOC less water: N/A % WT. VOLATILE (VOC) 8.3550 Lbs VOC/Gallon Solids 2.5169 SOLIDS VOL% 28.4737 SPREAD @ 1 MIL 456.7187 Appearance Colored Liquid Physical State Liquid Coating VOC (g/l) 224.7658 Coating VOC (Lb/GI) 1.8757	Solubility: N/A Viscosity: N/A % VOLUME VOLATILE (VOC) 9.7334 % Pig. by wt. 0.4505 VOLATILE WT% 68.3101 DENSITY (Lb/Gal) 8.5776 HAPS (lbs/gI) 0.0706 Odor N/A Material VOC (g/l) 85.8766 Material VOC (Lb/GI) 0.7167
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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

Oral Toxicity LD50: 36mg/kg
 Inhalation Toxicity LC50: 1,094mg/L

Component Toxicity

111-76-2 2-BUTOXYETHANOL
 Oral LD50: 470 mg/kg (Rat) Dermal LD50: 435 mg/kg (Rabbit) Inhalation LC50: 486 ppm

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

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)
2-Propanol, 1-(2-butoxy-1-methylethoxy)-	LC50 96 h Poecilia reticulata 841 mg/L [static]

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.

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

SECTION 15 - Regulatory Information

Hazardous Material Information System (HMIS)

HEALTH	2	HMIS & NFPA Hazard Rating Legend * = Chronic Health Hazard 0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH
FLAMMABILITY	2	
PHYSICAL HAZARD	0	
PERSONAL PROTECTION	X	

SECTION 16 - Disclaimer

Date Prepared: 9/13/2024

Reviewer Revision

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