

	<b>Safety Data Sheet</b>	SDS No. -001
		Issue Date:
	<b>Product Name</b> – 25 Glass Thermatru SD WB Topcoat	Revision Date 07/08/13

\*\*\* Section 1 - Product and Company Identification \*\*\*

**Manufacturer/Importer Information**

Environmental Coatings, Inc.  
6450 Hanna Lake Ave  
Caledonia, Michigan 49316

Emergency Phone: (800) 424-9300  
Information Phone: (616) 698-8102

**Product Identifier**

25 Glass Thermatru SD WB Topcoat  
Product code: 25-9075

**Recommended Use**

N/A

**Restrictions on Use**

None

\*\*\* Section 2 – Hazards Identification \*\*\*

**GHS Classification**

Skin corrosion/irritation, 3

Serious eye damage/ eye irritation, 2B

**GHS Label Elements**

None

**Symbol(s) None**

**Signal Word -**

WARNING

**Hazard Statements**

Causes mild skin irritation.

Causes eye irritation.

**Precautionary Statements**

**Prevention**

None

**Response**

If skin irritation occurs, get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If eye irritation persists, get medical advice/attention.

Wash hands after handling.

**Storage**

None



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### \*\*\* Section 3 – Composition / Information on Ingredients \*\*\*

Chemical Name	CAS #	%Weight	Vapor Pressure(mmHg @ F)
1-Methyl-2-Pyrrolidone	0000872-50-4	3.74	.50 @ 77 F
Dipropylene Glycol Monomethyl Ether	034590-94-8	2.59	.41 @ 25 C
Propylene Glycol Methyl Ether	005131-66-8	2.36	.85 @ 68 F
Ethylene Glycol Monobutyl Ether	000111-76-2	.29	.6 @ 68 F
N-Butyl Alcohol	000071-36-3	.09	5.5 @ 68 F
Diethylene Glycol Methyl	025265-71-8	.03	.016 @ 77 F
Ammonia	007664-41-7	.02	1085 @ 100 F

### \*\*\* Section 4 – First Aid Measures \*\*\*

#### First Aid- General

Move to fresh air, wipe skin with dry cloth, and wash with soap and water, flush eyes with large amounts of water and see physician if needed.

### \*\*\* Section 5 – Fire Fighting Measures \*\*\*

#### General Fire Hazards

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open fire. Closed containers may explode when exposed to extreme heat. See Section 9 for Flammability Properties.

#### Hazardous Combustion Products

N/A

#### Extinguishing Media

Use extinguishing media suitable for the material, preferably or, any extinguisher with foam, Co2, and dry chemical, and water mist.

#### Unsuitable Extinguishing Media

Avoid spreading burning liquid with water.

#### Fire Fighting Equipment/Instructions

Use self-contained breathing apparatus, use water for cooling container to prevent pressure buildup, auto-ignition or explosion.



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**\*\*\* Section 6 – Accidental Release Measures \*\*\***

### Recovery and Neutralization

Eliminate sources of ignition. Provide adequate ventilation. Prevent liquid from entering sewers or waterways. Absorb with inert material or pump into container.

### Materials and Methods for Clean-Up

For waste disposal see section 13 of the SDS.

### Emergency Measures

N/A

### Personal Precautions and Protective Equipment

Do not take internally. Avoid prolonged breathing of vapors. See Section 8 of the SDS for additional personal protection advice when handling this product.

### Environmental Precautions

No specific precautions

### Prevention of Secondary Hazards

None

**\*\*\* Section 7 – Handling and Storage \*\*\***

### Handling and Storage Procedures

Protect against physical damage, keep away from open flame and extreme heat. Keep container closed.

**\*\*\* Section 8 – Exposure Controls / Personal Protection \*\*\***

### Component Exposure Limits

Chemical Name/Regulation	Type	Value
<b>1-Methyl-2-Pyrrolidone</b>		Not Established
<b>Dipropylene Glycol Monomethyl Ether</b>		
OSHA PEL	TWA	100ppm
	STEL	150ppm
ACGIH TLV	TWA	100ppm
	STEL	150ppm
<b>Propylene Glycol Methyl Ether</b>		Not Established
<b>Ethylene Glycol Monobutyl Ether</b>		
OSHA PEL	Skin	50ppm
ACGIH TLV		20ppm
<b>N-Butyl Alcohol</b>		
	Skin	50ppm
	Skin	50ppm
<b>Diethylene Glycol Methyl</b>		Not Established
<b>Ammonia</b>		
	TWA	50ppm
		25ppm
	STEL	35ppm

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**Engineering Measures**

Wear protective clothing, have adequate ventilation.

**Personal Protective Equipment: Respiratory**

Local exhaust ventilation is recommended.

**Personal Protective Equipment: Hands**

Polyvinyl acetate or butyl

**Personal Protective Equipment: Eyes**

Safety eye glasses with side shields.

**Personal Protective Equipment: Skin and Body/Other**

Eye bath and safety shower, uniforms or aprons may be worn to avoid excessive contact.

**\*\*\* Section 9 – Physical & Chemical Properties \*\*\***

<b>Appearance:</b>	Liquid	<b>Odor:</b>	Solvent
<b>Physical State:</b>	Liquid	<b>pH:</b>	NA
<b>Vapor Pressure:</b>	*NA	<b>Vapor Density:</b>	>1
<b>Boiling Point:</b>	244 F- 450 F	<b>Melting Point:</b>	NA
<b>Solubility (H2O):</b>	Complete	<b>Specific Gravity:</b>	1.01
<b>Evaporation Rate:</b>	>1	<b>VOC:</b>	2.06 lbs/gal
<b>Octanol/H2O Coeff:</b>	NA	<b>Flash Point:</b>	210 F
<b>Flash Point Method:</b>	TCC	<b>Upper Flammability Limit (UFL):</b>	25%
<b>Lower Flammability Limit (LFL):</b>	1.1%	<b>Burning Rate:</b>	ND
<b>Auto Ignition Temperature</b>	NA	<b>% Volatile by Volume</b>	72.395%
<b>% Volatile by Weight</b>	69.615%		

NA –Not applicable, \*Located in Composition Chart

**\*\*\* Section 10 – Chemical Stability & Reactivity Information \*\*\***

**Chemical Stability**

Stable under normal temperature conditions

**Hazardous Reaction Potential**

Hazardous polymerization will not occur.

**Conditions to Avoid**


All equipment should be grounded and bonded to reduce static electricity hazard. Use non-sparking tools, keep away from heat, open flames, etc.

**Incompatible Products**

Strong oxidizing acids

**Hazardous Decomposition Products**

Decomposition may yield carbon dioxide and/or carbon monoxide, smoke.

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\*\*\* Section 11 – Toxicological Information \*\*\*

**Acute Toxicity**

**A: General Product Information**

Over exposure has caused red blood cell hemolysis in laboratory animals and secondary injury to kidney and liver.

**B: Component Analysis - LD50/LC50**

Not available

**Potential Health Effects: Skin Corrosion Property**

Brief contact may cause slight irritation with itching or local redness. Prolonged contact may cause more severe irritation with possible discomfort or pain.

**Potential Health Effects: Eye Critical Damage**

May cause moderate to severe eye irritation. Contact may cause stinging, redness, and swelling.

**Potential Health Effects: Ingestion**

Moderately toxic.

**Potential Health Effects: Inhalation**

Excessive exposure may cause irritation to eyes, nose, throat, lungs, and respiratory tract.

**Respiratory Organs Sensitization/Skin Sensitization**

This product is not reported to have any skin sensitization effects.

**Generative Cell Mutagenicity**

This product is not reported to have any mutagenic effects.

**Carcinogenicity**

**A: General Product Information**

This product is not reported to have any carcinogenic effects.

**B: Component Carcinogenicity**

Not applicable

**Reproductive Toxicity**

This product is not reported to have any reproductive toxicity effects.

**Specified Target Organ General Toxicity: Single Exposure**


This product is not reported to have any specific target organ effects.

**Specified Target Organ General Toxicity: Repeated Exposure**

This product is not reported to have any specific target organ repeat effects.

**Aspiration Respiratory Organs Hazard**

This product is not reported to have any aspiration hazard

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**\*\*\* Section 12 – Ecological Information \*\*\***

**Ecotoxicity**

**A: General Product Information**

No information available

**B: Component Analysis - Ecotoxicity – Aquatic and Terrestrial Toxicity**

No information available.

**Persistence/Degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility in Soil**

No information available

**\*\*\* Section 13 – Disposal Considerations \*\*\***

**Waste Disposal Instructions**

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

**Disposal of Contaminated Containers or Packaging**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**\*\*\* Section 14 – Transportation Information \*\*\***

**DOT/IATA/IMDG/TDG Information:**

No information available.

**\*\*\* Section 15 – Regulatory Information \*\*\***

**Regulatory Information**

No information available.

**\*\*\* Section 16 – Other Information \*\*\***

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