

MATERIAL SAFETY DATA SHEET

EMERGENCY CALL: Direct (800) 424-9300

SECTION I - IDENTIFICATION OF SUBSTANCE

Product name(s): ENDURACoat Sign & Banner Gloss
Product code(s): ECWBSBG-1g, ECWBSBG-55G
Product use: Waterbased Liquid Coating
Version no: 1.2
Date: 06/30/2008

SECTION II - HAZARDOUS INGREDIENTS / SARA III INFORMATION

Chemical Composition	%	Exposure LD50	Exposure LC50	Hazard Symbol	Risk Phrases
Dipropylene Glycol Monomethyl Ether CAS # 34590-94-8 EEC #	<10	No Data	No Data		S25/S24
Methylpyrrolidone CAS# 872-50-4	<5	Dermal (rabbit) 8000mg/kg Oral (rat) 4200mg/kg	Inhalation (rat) At saturated concentrations (110 deg C) No evidence of toxic effects		S25/S24

R20: Harmful by inhalation
 R21: Harmful in contact with skin
 S24: Avoid contact with skin
 S25: Avoid contact with eyes

*This product contains the above identified substances subject to the reporting requirements of Section 313 of Title III of the SARA Title II and CFR Part 372.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Range:	180 - 396 deg F	Specific Gravity (H₂O=1):	1.04
Vapor Density:	Heavier than air	Evaporation Rate:	Slower than ether
Coating V.O.C:	0.74 lb/gal		
Solubility in Water:	Negligible	Appearance and Odor:	Opaque viscous liquid with organic odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flashpoint: >200 deg F
Method Used: ASTM 93-73
Flammable limits in air by volume Lower: 1.3, Upper: 9.5
Extinguishing Media: Foam, alcohol foam, CO₂, dry chemical, water fog.
Special firefighting Procedures Firefighters should wear self-contained breathing apparatus.
Unusual Fire and Explosion Hazards Pressure may build up in closed containers that are exposed to heat. Solvent vapors are heavier than air and may travel a considerable distance along the ground to an ignition source and flash back.

SECTION V - REACTIVITY DATA

Stability: Stable.

CONDITIONS TO AVOID: Keep away from excessive heat or open flame. Store below maximum storage temperature.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong mineral acids and oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: BY FIRE, Normal products of incomplete combustion.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI - HEALTH HAZARD DATA

INHILATION HEALTH RISKS AND SYMTOMS OF EXPOSURE

Dizziness, headache, nausea, shortness of breath, solvent taste in mouth, narcosis, euphoria, or unconsciousness.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMTOMS OF EXPOSURE

Burning sensation with reddening of the eyes. Irritation, rash, or burning sensation on the skin.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Prolonged or repeated unprotected skin contact may cause defatting, drying of the skin , or dermatitis.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Gastrointestinal distress with symptoms of systemic poisoning.

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE: Shortness of breath, burning sensation or respiratory passages, nausea, headache and increased proneness to accident.

CHRONIC: Narcosis, kidney and liver disfunction with possible central nervous system effects.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

This product is not carcinogenic.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Respiratory difficulty or pre-existing skin sensitization.

EMERGENCY AND FIRST AID PROCEDURES

FOR EYES: Flush with plenty of clean flowing water for at least 15 minutes and get medical attention. **FOR**

SKIN: Wash affected areas with plenty of warm soapy water. Launder contaminated clothing and shoes before

reuse. **IF AFFECTED BY INHALATION OF VAPORS:** Remove to fresh air. Give oxygen if breathing is difficult.

Administer artificial respiration if breathing has stopped. **IF SWALLOWED:** Call a physician immediately. Do

NOT induce vomiting. Never give anything by mouth to an unconscious person.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

Provide adequate ventilation. Recover free product. Absorb with inert absorbent and keep product out of sewers and watercourses by diking or impounding. Shut off and eliminate all ignition sources. Assure conformity with applicable governmental regulations.

WASTE DISPOSAL METHOD

Dispose of in accordance with local, state and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in dry cool place outside the reach of children. Do not reuse empty product container for any purpose.

RCRA CLASS

Not Regulated.

EPA HAZARDOUS SUBSTANCE REPORTABLE QUANTITY

Not Listed.

OTHER PRECAUTIONS

If this product is combined with another component, or if additives or thinners are introduced into this product, read all product labels and all Material Safety Data Sheets prior to use.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION

Combination vapor-particulate respirator for use in solvent-containing environments is recommended if ventilation is inadequate. If over-exposure is possible, use Air supplied Respirator.

VENTILATION

Local ventilation should be sufficient to reduce airborne vapor concentration to below LEL and TLV to be considered adequate.

PROTECTIVE GLOVES

Recommended where skin contact is likely. Use solvent resistant gloves such as nitrile rubber.

EYE PROTECTION

Chemical splash goggles are highly recommended, particularly when potential for splashing into the eyes is high.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Recommended as needed to avoid contact.

WORK/HYGENIC PRACTICES

Wash hands thoroughly after handling product and before smoking or eating.

SECTION IX - DISCLAIMER

The user's attention is drawn to the risks brought upon by the misuse of the product. This data sheet does not exempt the user from knowing and applying the regulations corresponding to his activity. It is his own responsibility to take the precautions according to his use of the product.

For industrial use only. Keep this and all chemicals out of the reach of children.

The information and data contained herein is believed to be accurate at the time of preparation and has been obtained from sources believed to be generally reliable. No warranty or liability for the accuracy is made and no liability will be assumed for claims arising from any party's use of or reliance on information or recommendations contained herein.

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SECTION X – ADDITIONAL REGULATORY INFORMATION

TSCA: This product contains a polymer which is exempted from the requirement for listing on the EPA/TSCA Inventory of Chemical Substances in accordance with the provisions of 40 CFR 723.250. All other components of this material are included on the EPA/TSCA Inventory of Chemical Substances. Contents of this MSDS comply with the OSHA Hazard Communication Standard CFR 1910.1200.