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MATERIAL SAFETY DATA SHEET PAGE 1 OF 4

SECTION I PRODUCT IDENTIFICATION

Product Trade Name: EM2000cvx WB-ALKYD VARNISH  
(EM2100, EM2200, EM2300, EM2400)  
Chemical Name: Compound, Coating  
Manufacturer: Target Coatings, Inc.  
Effective Date: January 1, 2007..Revision 1

SECTION II PHYSICAL DATA

Boiling Point: 212 F  
Freezing Point: 30F  
Weight Per Gallon: 8.60 lbs./ Gal.  
Vapor Density: Heavier than Air.  
Evaporation Rate: Slower than N-Butyl Acetate  
Solubility in Water: Infinitely miscible  
pH: 8.0-8.5  
Appearance and Odor: Clear Liquid, Acrylic Odor  
VOC Content: 200 Grams / Liter, 1.60 lbs. / Gal.

SECTION III COMPOSITION INFORMATION

INGREDIENT	Approx. Wt%	SARA-313	CAS#
Hybrid Alkyd Resin Dispersion	70.0 max.	N/A	Proprietary
Propylene Glycol Monomethyl Ether*	4.0 max.	N/A	10217-34-2
N-Methyl-2-Pyrrolidone	5.0 max	N/A	872-50-4
Water	40.0 min.	N/A	7732-18-5

SECTION IV HAZARDOUS INGREDIENTS

INGREDIENT	Approx. Wt%	TLV	PEL(TWA)	STEL	CAS#
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\*N-Methyl-2-Pyrrolidone

\*See Section VIII For California Proposition 65 Warning

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**SECTION V      TOXICOLOGICAL PROPERTIES**

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<b>LD50:</b>	<b>Not determined</b>
<b>Threshold Limit Value:</b>	<b>No limit determined</b>
<b>Effects of Acute Exposure:</b>	
<b>Ingestion:</b>	<b>Intense mucous membrane irritation</b>
<b>Inhalation:</b>	<b>Prolonged exposure may produce headaches, and mucous membrane irritation.</b>
<b>Skin Contact:</b>	<b>Direct contact will cause irritation</b>
<b>Eye Contact:</b>	<b>Direct contact will cause extensive irritation</b>
<b>Effects of Chronic Exposure:</b>	<b>None determined</b>

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**SECTION VI      PREVENTIVE MEASURES**

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**INDUSTRIAL HYGIENE IN THE WORKPLACE**

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**RESPIRATORY PROTECTION:**      None required in well ventilated areas. An approved organic-vapor full-face respirator is advised for poor ventilation or spray applications.

**VENTILATION:**      LOCAL EXHAUST- None required  
                                 MECHANICAL(GENERAL)- Provide adequate ventilation.

**PROTECTIVE GLOVES:** Wear rubber gloves.

**EYE PROTECTION:** Wear approved safety glasses with side shields.

**OTHER PROTECTIVE EQUIPMENT:** Wear protective work clothes.

**STORAGE AND HANDLING PROCEDURES**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** store at 40F-90F. this product is safe for consumer resale. Keep from freezing. Keep away from Fire and Heat (Any ignition source). Keep containers closed when not in use. Provide adequate ventilation.

**☞KEEP OUT OF REACH OF CHILDREN☞**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Halt spill at source and contain or dike spill with inert absorbent material. Transfer liquid to containers for recovery or disposal. Shovel absorbent into drums for disposal in accordance with local, state, and federal regulations.

**RECOMMENDED WASTE DISPOSAL METHODS:** Material should not be flushed into sewer system. If this material becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261, since it has neither the characteristics of Subpart C nor listed in Subpart D. After the material has been collected, dispose of in accordance with regulations applicable to non-hazardous liquid wastes.

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**SECTION VII FIRST AID MEASURES**

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**MERGENCY FIRST AID PROCEDURES**

**INGESTION:** Induce vomiting. Administer large amounts of milk and call a physician.  
**INHALATION:** Remove to fresh air and consult with a physician if symptoms persist.  
**SKIN CONTACT:** Promptly wash area with soap and water, and rinse thoroughly. Remove contaminated clothing.  
**EYE CONTACT:** Promptly flush eyes with large amounts of fresh water for at least 15 minutes. Contact a physician immediately.

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**SECTION VIII REGULATORY INFORMATION**

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**UPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986 (SARA TITLE III)**

**SECTION 302- EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):** This product does not contain materials listed in Appendix A and B as an Extremely Hazardous Substance.

**SECTION 311/312- MATERIAL SAFETY DATA SHEET REQUIREMENTS (40 CFR 370):** Materials listed in 29 CFR 1910, Subpart Z is identified in Section IV. None are known or suspected carcinogens listed by the National Toxicology Program, International Agency of Research on Cancer, or OSHA.

**SECTION 313- LIST OF TOXIC CHEMICALS (40 CFR 372):** Listed materials contained in this product are identified in Sections II or IV of this MSDS.

**TOXIC SUBSTANCES CONTROL ACT (TSCA):** Not available

**CLEAN AIR ACT AMENDMENT OF 1990:** This product does not contain, and has not contacted during manufacture, any Ozone depleting Substances.

**CALIFORNIA PROPOSITION 65: WARNING:** This product contains chemical(s) known to the State of California to cause birth defects or other reproductive harm:

**N-Methyl-2 Pyrrolidone CAS#: 872-50-4**

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**SECTION IX FIRE AND EXPLOSION HAZARD DATA**

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**FLASH POINT:** Greater than 200 F

**AUTOIGNITION TEMPERATURE:** N/A

**EXTINGUISHING MEDIA:** Water mist, Foam, CO2, dry chemical.

**FLAMMABLE LIMITS:** LOWER: Not Applicable

UPPER: Not Applicable

**SPECIAL FIREFIGHTING PROCEDURES:** Toxic gasses may be released. Use self-contained breathing apparatus.

UNUSUAL FIRE/EXPLOSIVE HAZARDOUS: None.

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### SECTION X HAZARD RATING INFORMATION

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#### HMIS HAZARD RATING:

4= EXTREME	<i>TOXICITY= 1</i>
3= HIGH	<i>FIRE= 0</i>
2= MODERATE	<i>REACTIVITY= 0</i>
1= SLIGHT	<i>SPECIAL= G</i>
0= INSIGNIFICANT	

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### SECTION XI REACTIVITY DATA

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**STABILITY:** Stable

**CONDITIONS TO AVOID:** Temperatures of 212F or over will cause boiling of water.

**INCOMPATIBILITY:** Treat as water.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition on burning may produce toxic gasses.

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### SECTION XII USER'S RESPONSIBILITY

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**Target Coatings, Inc.** cannot anticipate all conditions of handling and use of this product. Therefore, **Target Coatings, Inc.** accepts no responsibility for results obtained by application of this information, or safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. **Target Coatings, Inc.** will accept no liability for damages or loss incurred from the improper handling and use of this product.

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### SECTION XIII SPECIAL PRECAUTIONS

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PRECAUTION: READ MSDS BEFORE USE

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### SECTION XIV PREPARATION INFORMATION

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This Material Safety Data Sheet was prepared by:

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