

Material Safety Data Sheet Envirocoat, Inc. 4950 Madison Ave, P.O.Box 1547 Skokie, IL 60077 Information Telephone: (847) 673-3649 Preparation Date: 5/25/01	HMIS Hazard Ratings	
	Health	1
	Flammability	1
	Reactivity	0
Personal Protection: G		
Emergency Telephone:		

Section 1: Product Identification

StepGuard Satin Water-Based Self-Catalyzed Polyurethane Finish 21-001

Section 2: Hazardous Materials

Chemical Name	CAS Number	WT. % Less Than	(TLV-TWA)	Occupational Exposure Limits (TLV-STEL)	(PEL)	Vapor Pressure MmHg 20° C	Known or Suspected Carcinogen	Sec 313
Diethylene Glycol Monobutyl Ether	112-34-5	10%	NO INFO	NO INFO	NO INFO	30.0	NO	NO
1-Methyl-2-Pyrrolidone	852-50-4	1%	100 ppm	100 ppm	NO INFO	0.3	NO	NO
Synthetic Amorphous Silica	63231-67-4	5%	10 mg/m ³	NO INFO	6 mg/m ³	0.0	NO	NO

N/A: Not Applicable

Section 3: Physical Data

Boiling Range: 395-642° F

Odor: Mild

Appearance: Milky Liquid

Volatile By Weight: 64%

Volatile By Volume: 65%

Volatile Organic Compounds: 276 Grams VOC/Liter or 2.30 Pounds VOC/Gallon

Vapor Density: Heavier Than Air

Evaporation Rate: Is Slower Than Butyl Acetate

Solubility: Appreciable

Product Density: 8.6 lbs./gal. (US)

Section 4: Fire and Explosion Hazard Data

Flammability Classifications:

Flash Point: 212°F
(Setaflash Closed Cup)

LEL: 0.9%
UEL: 24.6%

Other Precautions: Ground containers while pouring. Avoid spontaneous combustion of contaminated rags or other organic materials. Empty containers may retain hazardous properties and can be dangerous.

Section 10: HMIS Rating

Health: 1 Flammability: 1 Reactivity: 0 Personal Protection: G

Notice: These ratings involve data and interpretations that may vary from company to company and are intended only for rapid, general identification of the magnitude of the specific hazard. **TO DEAL ADEQUATELY WITH THE SAFE HANDLING OF THIS MATERIAL, ALL THE INFORMATION CONTAINED IN THIS MSDS MUST BE CONSIDERED.** The customer is responsible for determining the proper protective equipment for its particular use of this material.

Hazardous Materials Identification System's (HMIS) Revised RAW MATERIALS RATING MANUAL, National Paint & Coatings Association, Fall 1984.

The information contained herein is furnished without warranty of any kind. Users should consider this data only as a supplement to other information gathered by them and must take independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.

HMIS Rating Values: 4 = Extreme 3 = High 2 = Moderate
 1 = Slight 0 = Insignificant

The information contained herein is derived from the RAW MATERIALS SUPPLIER'S MSD SHEETS and is to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.

Section 7: Spill or Leak Procedures

Steps to Be Taken In Case Material Is Released or Spilled: Remove sources of ignition and provide ventilation. Large spills may be scooped up with non-sparking tools. Small quantities may be picked up with absorbent material.

Waste Disposal Method: Place in closed containers. Dispose of product in accordance with local, county, state, and federal regulations.

Section 8: Safe Handling and Use Information

Respiratory Protection: NIOSH/OSHA approved respirator types suitable for materials in section 2 recommended. Approved chemical/mechanical filters recommended when ventilation is restricted.

Ventilation: Sufficient ventilation, in volume and pattern, should be provided to keep air contamination below current applicable OSHA permissible exposure limit or ACGIH's TLV limit.

Protective Gloves: Recommended for prolonged or repeated contact. Chemical resistant plastic or rubber.

Eye Protection: Chemical goggles with side shields or face shield recommended.

Other Protective Equipment: As required to avoid wetting clothing. Use protective creams where skin contact is likely. Remove and wash contaminated clothing before reuse. Eye bath and safety shower.

Hygienic Practices: Wash hands before eating or smoking. Smoke in designated areas only. All equipment should comply with sections 1910.132-135 OSHA standards.

Section 9: Special Precautions

Precautions to Be Taken in Handling and Storage: Store away from heat, sparks, and open flame. Avoid prolonged skin contact. Do not breathe spray mist. Store in cool, dry area with ventilation suitable for storing materials shown in section 2. We recommend that containers be either professionally reconditioned for reuse by certified firms or properly disposed of by certified firms to help reduce the possibility of an accident. "Empty" drums should not be given to individuals.

Flammability Classifications:

Flash Point: 212°F
(Setaflash Closed Cup) LEL: 0.9%
UEL: 24.6%

OSHA - Combustible Liquid - Class IIIB

DOT - Not Regulated

Extinguishing Media: Dry Chemical Carbon Dioxide Foam

Unusual Fire and Explosion Hazards: Keep containers tightly closed. Vapors may migrate to ignition source and cause flash fire. Isolate from heat, sparks, electrical equipment, appliances, pilot lights, flames, and other sources of ignition.

Special Fire Fighting Procedures: Use NIOSH/MSHA approved gas mask for fire fighting personnel. Water may be ineffective and "may spread fire." Water may be used to cool containers. If water is used, fog nozzles are preferable.

Section 5: Health Hazard Data

Effect of Overexposure: Breathing of high vapor concentrations may produce narcosis. Liquid may cause minor skin irritation and definite eye irritation. This product is a "mixture" for which no health hazard data exists. The HCS requires that such mixtures assume to present the same health hazards as do the components that constitute at least 1% of the mixture. Repeated overexposure may cause effect lung, liver, and kidney. Except that chemicals identified as carcinogens shall be listed if the concentrations are 0.1% or greater.

Medical Conditions Prone to Aggravation By Exposure: None recognized.

Primary Route(s) of Entry: Dermal Inhalation

Emergency and First Aid Procedures: Inhalation: Remove to fresh air, restore breathing. Consult a physician. Skin Contact: Flush with water. Eye Contact: Flush immediately with large amounts of water. Consult a physician.

Section 6: Reactivity Data

Stability: This product is stable under normal storage conditions.

Hazardous Polymerization: Will not occur under normal conditions.

Hazardous Decomposition Products: None known.

Conditions to Avoid: None known. Store this product indoors to protect from freezing.

Incompatibility: None known.