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MATERIAL SAFETY DATA SHEET

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MSDS DATE: 4/5/04

Supersedes All Previous Publications

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SECTION I PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME AND SYNONYMS: 2001 PVC Membrane

Health	0
Flammability	1
Reactivity	0
Specific Hazard	B

TRADE NAME: Roofing Membrane

SECTION II INFORMATION ON HAZARDOUS INGREDIENTS

This material is considered an article according to 29 CFR 1910, 1200(5)(v)(c). An article is by definition a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical and does not pose a physical hazard or health risk to employees.

A MSDS is required only for chemicals in products that are hazardous as defined by the OSHA standard 29 CFR 1910. 1200.

CHEMICAL/Common Name	CAS NUMBER	PERCENT	OSHA-PEL	ACGIH-TLV
Antimony Trioxide	1309-84-4	<2.0%	0.5 mg/m3	0.5 mg/m3
Barium Compounds	2457-01-4	<1.5%	Not Listed	Not Listed

SECTION III HAZARDS IDENTIFICATION

EYES: May irritate eyes during thermal welding.
 SKIN: May irritate skin during thermal welding.
 INHALATION: None known.
 INGESTION: None known.
 SYMPTOMS: May cause skin sensilization in some people due to antimony trioxide.

SECTION IV FIRST AND MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.
 SKIN: Wash skin with soap and plenty of water.
 INHALATION: If exposed to fumes from thermal decomposition (flame), remove to fresh air. If not breathing, give artificial respiration and seek medical attention immediately. Trained personnel should only administer oxygen.
 INGESTION: If swallowed, call a physician immediately. ONLY induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

SECTION V FIRE FIGHTING MEASURES

FLASHPOINT (F/C)	LEL (volume %)	UEL (volume %)
N/A	N/A	N/A
Extinguishing Media:	Carbon dioxide, dry chemical, foam, or water spray.	
Fire Fighting Procdedures:	Wear a self-contained breathing apparatus.	
Unusual Hazards:	None	
Combustion Products:	Toxic gases such as carbon dioxide, carbon monoxide, metal oxides, and hydrochloric acid may form if ignited by flame.	

SECTION VI ACCIDENTAL RELEASE MEASURES

Use normal cleanup procedure for solid materials.

SECTION VII HANDLING AND STORAGE

Store material away from heat and flame.

=====SECTION VIII EXPOSURE CONTROLS/PERSONAL PROTECTION=====

Engineering Controls: Mechanical ventilation may be necessary if working with the product in enclosed areas at elevated temperatures as experienced during thermal welding.

Personal Protective Equipment:

- EYES:** Safety glasses. Consult your safety representative.
- SKIN:** Gloves Recommended
- RESPIRATORY:** NIOSH approved respirator is recommended if exposure to airborne contaminants exceeds acceptable limits.

Exposure Guidelines:

<u>CHEMICAL</u>	<u>OSHA</u>	<u>ACGIH TLV</u>
Antimony Trioxide	PEL=0.5 mg/m3	TWA=0.5 mg/m3
Barium Compounds	Not Listed	Not Listed

PEL= Permissible Exposure Limits
 TLV= Threshold Limit Value
 TWA= Time Weighted Average (8 hr.)
 STEL= Short Term Exposure Limit (15 min.)

=====SECTION IX PHYSICAL AND CHEMICAL DATA=====

<u>Appearance</u>	<u>Odor</u>	<u>Boiling Point (@760 mm Hg)</u>	<u>Specific Gravity (air=1)</u>
Solid flexible membrane	None	N/A	1.27
<u>Liquid Density</u> N/A	<u>Solubility in Water</u> Insoluble	<u>(%) Volatile Volume</u> N/A	<u>Evaporation Rate (N-Butyl Acetates=1)</u> N/A
<u>Vapor Pressure (mm Hg)</u> N/A		<u>Vapor Density (air=1)</u> N/A	

=====SECTION X STABILITY AND REACTIVITY=====

CONDITIONS TO AVOID: Prolonged excessive heat, sparks, open flame, and smoking.

INCOMPATABILITY WITH OTHER MATERIALS: N/A

HAZARDS DECOMPOSITION PRODUCTS: Toxic gases such as carbon dioxide, carbon monoxide, metal oxides, and hydrochloric acid may form if ignited by flame.

HAZARDOUS POLYMERIZATION: Will NOT undergo hazardous polymerization.

=====SECTION XI TOXICOLOGICAL INFORMATION=====

Toxicological information is not available.

=====SECTION XII ECOLOGICAL INFORMATION=====

Ecological information is not available.

=====SECTION XIII DISPOSAL CONSIDERATIONS=====

Dispose in accordance with applicable Federal, State, and Local regulations. Meets the Commonwealth of Massachusetts Department of Environmental Protection TCLP requirements for land fill disposal.

=====SECTION XIV TRANSPORTATION INFORMATION=====

D.O.T. Primary Hazard Label:	Not Regulated
D.O.T. Hazard Class:	Not Regulated
D.O.T. Identification Number (UN/NA):	None Required
D.O.T. Packing Group	Not Regulated

=====SECTION XV REGULATORY INFORMATION=====

U.S. Federal Regulations

SARA Title III, Section 302:

This product is NOT regulated under SARA Title III, Section 302 Extremely Hazardous Substances (40 CFR Part 355).

SARA TITLE III, 313:

This product contains toxic chemicals subject to the reporting requirements of SARA Title III, Section 313 (40 CFR 372) of the Emergency Planning and Community Right-To-Know Act of 1986.

STATE REGULATIONS:

CALIFORNIA SAFE DRINKING ACT (PROP 85 for Carcinogen and Teratogen):

This product contains chemicals currently on the California List of Known Carcinogens and Reproductive Toxins.

<u>CAS #</u>	<u>CHEMICAL NAME</u>
1309-64-4	Antimony Trioxide

=====SECTION XVI DISCLAIMER=====

DISCLAIMER: The information contained herein 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.

Prepared By: 2001 Inc.