

## MATERIAL SAFETY DATA SHEET

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**DATE:** February 24, 1998

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**IN CASE OF SPILL EMERGENCY, DAY OR NIGHT, CALL CHEMTREC 1-800-424-9300**

<b>SECTION I</b>	<b>PRODUCT IDENTIFICATION</b>
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**IDENTITY: PERMA-FLEX® ELASTOMERIC ACRYLIC STUCCO UNSANDED and  
 PERMA-FLEX® I F ACRYLIC STUCCO UNSANDED**

<b>SECTION II</b>	<b>COMPOSITIONAL INFORMATION</b>
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	<u>CAS Req. No.</u>	<u>Approx. WT.%</u>	<u>R&amp;H</u>	<u>TWA/TLV</u>	
				<u>OSHA</u>	<u>ACGIH</u>
Acrylic Polymer(A)	NONHAZ	45-60	n.e.	n.e.	n.e.
Inorganic Filler (IF)	Mixture	20 max	10	15	10 mg/m <sup>3</sup> resp
Titanium Dioxide (TD)	13463-67-7	5 max	2.0	5	n.e.
Ethylene Glycol (EG)	107-21-1	2 max	50	50	50c ppm C
Ammonium Hydroxide (AH)	1336-21-6	1 max	25	50	25 ppm
Water	NONHAZ	15-30	n.a.	n.a.	n.a.

resp. - Respirable dust    c - Ceiling

<b>SECTION III</b>	<b>PHYSICAL PROPERTY INFORMATION</b>
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Boiling Point:	n.e.
Freezing Point:	0°C/32°F
Viscosity (Paste Units):	90 ± 5
Vapor Pressure (mm Hg):	Greater than 1
Vapor Density (air=1):	Less than 1
Specific Gravity (water=1):	1.14 – 1.2
Solubility in Water:	Partially Dilutable
Evaporation rate (BUTYL ACETATE =1)	Less than 1
Appearance - Odor – pH	White, smooth mixture; Mild amonia odor, pH 8-10.

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<b>SECTION IV</b>	<b>FIRE AND EXPLOSION HAZARD INFORMATION</b>
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Special Fire Fighting Procedures: None  
Unusual Fire and Explosion Hazard: None

<b>SECTION V</b>	<b>HEALTH HAZARD INFORMATION</b>
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**RECOMMENDED WORK PLACE EXPOSURE LIMITS**

TWA--See Section II, STEL = 35 ppm (AH); 10 mg/M3 resp (TD); 50 ppm c (EG).

**EFFECTS OF OVEREXPOSURE**

Inhalation: Vapor or mist can irritate the nose, throat and lungs and cause headache, nausea, drowsiness, slurred speech, dizziness, stupor and unconsciousness. See "Note to Physician" in Section X.

Skin Contact: Irritating to skin upon repeated or prolonged contact.

Eye Contact: Slightly irritating to eyes.

Delayed Effects: Prolonged or repeated exposure to ethylene glycol can cause liver and kidney damage.

**EMERGENCY AND FIRST AID PROCEDURES**

Inhalation: Move subject to fresh air.

Eye and Skin Contact: Flush eyes with a large amount of water for at least 15 minutes. See physician if irritation persists. Wash affected skin areas with soap and water.

Ingestion: If swallowed dilute by giving 2 glasses of water to drink. See a physician. Never give anything by mouth to an unconscious person. See "NOTE TO PHYSICIAN" in Section X.

<b>SECTION VI</b>	<b>REACTIVITY INFORMATION</b>
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Under normal conditions the product is stable. However, temperatures above 177°C/350°F may cause the acrylic polymer to decompose. There are no hazardous decomposition by-products, nor will hazardous polymerization occur.

<b>SECTION VII</b>	<b>SPILL OR LEAK PROCEDURE INFORMATION</b>
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Keep spectators away as area of leak or spill may be slippery. The spilled material may be scooped into pails; the remaining material may be taken out of the surface by absorbing it with sand, earth or any other inert material. If needed, the floor can be flushed with plenty of water. All Materials (product and absorbing medium) should then be disposed of in accordance with pertinent Federal, State and Local Government Regulations. Take extra care so that none of the cleaning water gets into sanitary water sewers or storm drains.

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**SECTION VIII PERSONAL PROTECTION INFORMATION**

Ventilation Type: There should be plenty of natural air flow in the work area. In the event of a spill in an enclosed area, utilize a mechanical system to induce air flow.

Respiratory Protection: None required if there is good ventilation; otherwise wear a respirator (MSHA/NIOSH approved or equivalent) suitable for concentration and type of contaminants encountered.

Protective Gloves: Normally not required.

Eye Protection: Normally not required, however clear safety glasses or goggles may be used (ANSI Z87.1 approved or equivalent).

**SECTION IX STORAGE AND HANDLING INFORMATION**

Storage Temperature: Max 50°C/120°F      Min 5°C/40°F

Precautionary Handling: Keep from freezing; product may coagulate or gel. Keep material from direct sunlight. Store in a sheltered area.

**SECTION X TOXICITY INFORMATION**

The effects of overexposure shown in Section V are based on information about similar materials and on toxicity profiles for the solvents used in this product. Ethylene glycol has been shown to produce dose-related teratogenic effects in rats and mice at high concentrations.

Note to Physician: Ethylene glycol can cause liver and kidney damage. If swallowed, careful evacuation of the stomach is advisable. Note: Titanium dioxide when formulated as above, does not pose a dust hazard unless sanding or grinding of the dry coating takes place. The TWA for inorganic filler is those for nuisance dust. See Section II.

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**SECTION XI**

**ADDITIONAL INFORMATION**

n.e. = Not established; n.a. = Not applicable/not available; n.d. = Not determined; NOS = Not Otherwise Specified; RQ = Reportable Quantity; resp. = Respirable dust; TLV = Threshold Limit Value; PEL = Permissible Exposure Limit; STEL = Short Term Exposure Limits (15 minutes); TWA = Time Weighted Average (8 hour); ANSI = American National Standards Institute; REL = Recommended Exposure Limits (developed by the NIOSH); NIOSH = National Institute for Occupational Safety and Health; OSHA = Occupational Safety and Health Administration; ACGIH = American Conference of Governmental Industrial Hygienists; LEL = Lower Explosive Limit; UEL = Upper Explosive Limit; ppm = parts per million; TSCA = Toxic Substance Control Act; SARA = Superfund Amendments and Reauthorization Act; DOT = Department of Transportation. WHMIS = Workplace Hazardous Materials Information System (Canadian).

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. ParexLahabra, Inc. assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material.

**Date: February 24, 1998**