

MATERIAL SAFETY DATA SHEET

PILGRIM PERMOCOAT, INC.
402 S. 22ND STREET
TAMPA, FL 33605

CODE-ANT
ISSUE DATE-6/30/94
REVISED-10/11/03

A. TRADE NAME - **LINERGARD, A COMPONENT**
CHEMICAL NAME - EPOXY FORMULATION

CAS# - NA
DOT CLASS - NOT REGULATED
HMIS: H-1, F-1, R-0
MOLECULAR WEIGHT - NA

FORMULA - PROPRIETARY

EMERGENCY CONTACT – ROBERT FORLONG

DAY PHONE – 813-248-3328

B. FIRST AID MEASURES

EYES - IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES HOLDING LIDS APART. CALL A PHYSICIAN.

SKIN - WASH THOROUGHLY WITH SOAP AND WATER. IF IRRITATION DEVELOPS AND PERSISTS, SEE A PHYSICIAN. WASH CLOTHES BEFORE REUSE.

INHALATION - REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH TO MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN!

INGESTION - MAY CAUSE GASTROINTESTINAL DISTRESS, IRRITATION ULCERATION. DRINK LARGE QUANTITIES OF WATER. CONSULT A PHYSICIAN.

C. HAZARDS INFORMATION**FIRE AND EXPLOSION**

FLASH POINT - 490°F AUTO IGNITION TEMPERATURE - NA

UNUSUAL FIRE AND EXPLOSION HAZARDS - DECOMPOSITION AND COMBUSTION PRODUCTS MAY BE TOXIC.

HEALTH

INHALATION - IRRITATION, SENSITIZATION AND DERMATITIS.

INGESTION - MAY CAUSE GASTROINTESTINAL DISTRESS OR IRRITATION.

SKIN - PROLONGED AND REPEATED CONTACT MAY CAUSE IRRITATION AND RESULT IN SENSITIZATION AND ALLERGIC REACTION.

EYES - VAPOR MAY CAUSE IRRITATION, REDNESS AND TEARING. LIQUID MAY CAUSE SEVERE IRRITATION WITH POSSIBLE IRREVERSIBLE INJURY.

UNUSUAL CHRONIC TOXICITY - NONE KNOWN.

PERMISSIBLE CONCENTRATION (AIR) - NOT KNOWN

D. PRECAUTIONS/PROCEDURES

VENTILATION - GOOD MECHANICAL VENTILATION AND LOCAL EXHAUST

NORMAL HANDLING - DO NOT GET IN EYES, ON SKIN OR CLOTHING. DO NOT BREATHE VAPORS. KEEP CONTAINERS CLOSED. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

STORAGE - STORE IN COOL, DRY AREA AWAY FROM HEAT, STRONG OXIDIZERS. PROTECT FROM DAMAGE

SPILL OR LEAK - ABSORB SPILL ON SAND, EARTH OR VERMICULITE.

CAREFULLY COLLECT INTO CLOSED CONTAINERS FOR DISPOSAL ACCORDING TO FEDERAL, STATE OR LOCAL REGULATIONS.

FIRE EXTINGUISHING PRECAUTIONS - WEAR FULL PROTECTIVE GEAR AND NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS.

FIRE EXTINGUISHING AGENTS TO AVOID - SOLID STREAM OF WATER OR FOAM MAY CAUSE FROTHING, SPLATTERING AND SPREAD HAZARD.

SPECIAL PRECAUTIONS/PROCEDURES - COOL CONTAINERS EXPOSED TO FLAME WITH WATER SPRAY.

E. PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY EQUIPMENT - ORGANIC CHEMICAL CARTRIDGE RESPIRATOR, IF NEEDED.

EYES - CHEMICAL SPLASH - PROOF GOGGLES.

HANDS, ARMS AND BODY - RUBBER OR POLYETHYLENE GLOVES AND FULL BODY COVERING CLOTHING.

OTHER CLOTHING AND EQUIPMENT - EYE WASH FOUNTAIN AND SAFETY SHOWER.

F. PHYSICAL DATA

DESCRIPTION - DIGLYCIDYL ETHER RESIN

BOILING POINT - >200°F

VAPOR DENSITY - NA

SOLUBILITY IN WATER - NONE

EVAPORATION RATE - NIL

SPECIFIC GRAVITY - 0.1.3

VAPOR PRESSURE - CA. 1 MM HG AT 180C

PH - NA

% VOLATILES (BY VOLUME) - NIL

G. REACTIVITY DATA

STABILITY - STABLE

INCOMPATIBLE MATERIALS - STRONG OXIDIZERS, ACIDS AND EPOXY CURING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS - CO, CO₂, NOX AS A RESULT OF THERMAL DECOMPOSITION.

HAZARDOUS POLYMERIZATION - WILL NOT OCCUR.

H. HAZARDOUS INGREDIENTS (MIXTURES)

INGREDIENTS	PERCENTAGE	CAS#	TLV
EPOXY RESIN	>60%	25068-38-6	NE
C12 & C14 ALKYL GLYCIDYL ETHERS	<5%	686909-97-2	NE
SILICA-ALUMINA ALLOY	20	66402-88-4	NA
SILICON DIOXIDE	<5%	13983-17-0	10 MG/M3
TIO ₂	<5%	13463-67-7	10 MG/CU.M.

I. ENVIRONMENTAL

BIODEGRADABILITY - NOT KNOWN

WASTE DISPOSAL METHODS - DISPOSE OF AS HAZARDOUS WASTE IN APPROVED WASTE DISPOSAL FACILITIES IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

J. REFERENCES

PERMISSIBLE CONCENTRATION REFERENCES - ACGIHTWA, TLV, AND STEL
REGULATORY STANDARDS - TITLE 49 CFR SECTION 173.118, 172.101
GENERAL - NIOSH GUIDE TO CHEMICALS

K. TRANSPORTATION INFORMATION

Not regulated under current DOT, IMO or ICAO regulations.

L. ADDITIONAL INFORMATION

Store in a cool dry place. Keep away from open flames and high temperatures.

Containers, even those that have been emptied, can contain hazardous product residues. Handle in accordance with the hazard potential of curing agent used. **CAUTION:** May cause irritation. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Launder contaminated clothing before reuse. Contaminated leather articles, including shoes, cannot be decontaminated and should be destroyed to prevent reuse.

Heating this resin above 300°F in the presence of air may cause slow oxidative decomposition, above 500°F, polymerization may occur. Curing agents can produce exothermic reactions which in large masses can cause runaway polymerization and charring of the reactants. Fumes and vapors from these thermal and chemical decompositions vary widely in composition and toxicity. Do not breath fumes.

Use a NIOSH-approved respirator as required to prevent over exposure. In accord with 20CFR1910.134, use a respirator for organic vapors.

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ENVIROMENTAL DATA**SECTION I****PRODUCT/COMPOSITION**

NO.	COMPONENT	CAS NUMBER	PERCENT
P	LINERGARD 100-P		100

*THE SPECIFIC CHEMICAL IDENTITY OF THIS COMPONENT IS CONSIDERED TRADE SECRET.

SECTION II**SARA TITLE III INFORMATION**

NO.	EHS RQ (LBS) (*1)	EHS TPQ (LBS) (*2)	SEC 313 (*3)	313 CATAGORY (*4)	311/312 CATAGORIES (*5)
P					H-1

FOOTNOTES

*1 = REPORTABLE QUANTITY OF EXTREMELY HAZARDOUS SUBSTANCE, SEC. 302

*2 = THRESHOLD PLANNING QUANTITY, EXTREMELY HAZARDOUS SUBSTANCE, SEC. 302

*3 = TOXIC CHEMICAL, SEC. 313

*4 = CATEGORY AS REQUIRED BY SEC. 313 (40 CFR 372.65 C), MUST BE USED ON TOXIC RELEASE INVENTORY FORM

*5 = HAZARD CATEGORY FOR SARA SEC. 313/312 REPORTING

HEALTH H-1 = IMMEDIATE (ACUTE) HEALTH HAZARD H-2 = DELAYED (CHRONIC) HEALTH HAZARD
PHYSICAL P-3 = FIRE HAZARD P-4 = SUDDEN RELEASE OF PRESSURE HAZARD
P-5 = REACTIVE HAZARD

SECTION III**ENVIRONMENTAL RELEASE INFORMATION**

KEEP OUT OF SURFACE WATERS, SEWERS, AND WATERWAYS ENTERING OR LEADING TO SURFACE WATERS. NOTIFY AUTHORITIES IF ANY EXPOSURE TO THE GENERAL PUBLIC OR ENVIRONMENT OCCURS OR IS LIKELY TO OCCUR.

SECTION IV**RCRA INFORMATION**

IF THIS PRODUCT BECOMES A WASTE, IT WOULD NOT BE A HAZARDOUS WASTE BY RCRA CRITERIA (40 CFR 261). PLACE IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH LOCAL REGULATIONS.