

## MATERIAL SAFETY DATA SHEET

PILGRIM PERMOCOAT, INC.  
402 S. 22<sup>ND</sup>. STREET  
TAMPA, FL 33605

PILGRIM CODE-M  
ISSUE DATE-6/30/96  
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A. TRADE NAME - LINERGARD, B COMPONENT  
CHEMICAL NAME - MODIFIED ALIPHATIC AMINE

CAS# - MIXTURE  
DOT CLASS - CORROSIVE  
HMIS: H-3, F-1, R-0  
MOLECULAR WEIGHT - NA

FORMULA - COMPLEX POLYMER

EMERGENCY CONTACT – ROBERT FORLONG DAY PHONE – 813-248-3328

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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. DO NOT INDUCE VOMITING. CONSULT A PHYSICIAN.

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C. HAZARDS INFORMATION

FIRE AND EXPLOSION

FLASH POINT - >200°F AUTO IGNITION TEMPERATURE - NA  
FLAMMABLE LIMITS: LOWER - 1.4 UPPER - NA

UNUSUAL FIRE AND EXPLOSION HAZARDS - DECOMPOSITION AND COMBUSTION PRODUCTS MAY BE TOXIC. DELAYED LUNG DAMAGE (PULMONARY EDEMA) CAN BE EXPERIENCED AFTER EXPOSURE TO COMBUSTION PRODUCTS, SOMETIMES HOURS AFTER THE EXPOSURE.

NITROGEN OXIDES AND NITROGEN CONTAINING ORGANIC COMPOUNDS MAY BE RELEASED UPON COMBUSTION.

HEALTH

INHALATION - NO TOXICITY KNOWN.

INGESTION - NO TOXICITY KNOWN.

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

EYES - CONTACT WILL RESULT IN IRRITATION AND REDNESS.

UNUSUAL CHRONIC TOXICITY - NONE KNOWN.

PERMISSIBLE CONCENTRATION (AIR) - NE

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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 - AMBER LIQUID WITH AMINE ODOR.

BOILING POINT - >200°C

VAPOR DENSITY - NA

SOLUBILITY IN WATER - Completely soluble

EVAPORATION RATE - NIL

SPECIFIC GRAVITY - 0.94

VAPOR PRESSURE - <0.1 @ 20°C

PH - NA

% VOLATILES (BY VOLUME) - NIL

#### G. REACTIVITY DATA

STABILITY - STABLE

INCOMPATIBLE MATERIALS - STRONG OXIDIZERS, ACIDS, BASES AND HEAT.

HAZARDOUS DECOMPOSITION PRODUCTS - CO, CO<sub>2</sub>, NOX AS A RESULT OF THERMAL DECOMPOSITION.

HAZARDOUS POLYMERIZATION - WILL NOT OCCUR.

#### H. HAZARDOUS INGREDIENTS (MIXTURES)

INGREDIENTS	PERCENTAGE	CAS#	TLV
Mannich Base	100	TS	

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#### I. TRANSPORTATION INFORMATION

DEPARTMENT OF TRANSPORTATION CLASSIFICATION:  
CLASS 8 (CORROSIVE MATERIAL), III

THE DOT INFORMATION IN THIS SECTION IS BASED UPON AN EVALUATION OF THE PRODUCT AGAINST REQUIREMENTS OF 49 CFR 172 AND 173 AS REVISED BY HM-181.

D.O.T. PROPER SHIPPING NAME:

Amines, Liquid, Corrosive, N.O.S., 8, UN 2735, III (Cycloaliphatic Nonylphenol)

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**J. REFERENCES**

PERMISSIBLE CONCENTRATION REFERENCES - ACGIHTWA, TLV, AND STEL  
REGULATORY STANDARDS - NA  
GENERAL - NA

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**K. ADDITIONAL INFORMATION**
**EMPTY CONTAINER HANDLING!**

WARNING! EMPTIED CONTAINER RETAINS PRODUCT RESIDUE AND VAPORS.  
 OBSERVE ALL LABEL PRECAUTIONS EVEN AFTER CONTAINER IS EMPTIED.  
 DO NOT CUT, DRILL, GRIND, OR WELD ON OR NEAR CONTAINER.

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**ENVIROMENTAL DATA**


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**SECTION I**
**PRODUCT/COMPOSITION**

NO.	COMPONENT	CAS NUMBER	PERCENT
P	LINERGARD , B COMPONENT	MIXTURE	100

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**SECTION II**
**SARA TITLE III INFORMATION**

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

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**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 HAZAD

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**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.

EPA - COMPRENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT. UNDER EPA-CERCLA ("SUPERFUND") RELEASES TO AIR, LAND OR WATER MAY BE REPORTABLE TO THE

NATIONAL RESPONSE CENTER, 800-424-8802 (CIRCUMSTANCES SURROUNDING THE RELEASE AND CLEANUP DETERMINE REPORTABILITY).

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**SECTION IV**

**RCRA INFORMATION**  
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PLACE IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH LOCAL REGULATIONS.

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