

PRODUCT NAME: **PM 580 WATERBORNE URETHANE PART A**

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MATERIAL SAFETY DATA SHEET

24 HOUR EMERGENCY ASSISTANCE

CHEM TEL: 1-800-255-3924

GENERAL ASSISTANCE

TELE-TECH: 405-755-8448

HEALTH: 2

HAZARD RATING

FIRE: 0

LEAST = 0

SLIGHT = 1

MODERATE = 2

REACTIVITY: 0

HIGH = 3

EXTREME = 4

SECTION I

PRODUCT: PM 580 WATERBORNE URETHANE PART A

CHEMICAL NAME: NOT APPLICABLE

CHEMICAL FAMILY: NOT APPLICABLE

PRODUCT DESCRIPTION: WATERBORNE URETHANE

SECTION II-A

PRODUCT / INGREDIENT

<u>NO.</u>	<u>COMPOSITION</u>	<u>CAS NUMBER</u>	<u>PERCENT</u>
1	MODIFIED POLYURETHANE RESIN	PROPRIETARY	10-30%
2	PHENOXY RESIN	PROPRIETARY	5-10%
3	GLYCOL ETHER PNB	5131-66-8	1-5%
4	METHYL-1 PYRROLIDINONE-2	872-50-4	1-5%
5	GLYCOL ETHER PNP	001569-01-3	1-5%

SECTION II-B

ACUTE TOXICITY DATA

<u>NO.</u>	<u>ACUTE ORAL LD50</u>	<u>ACUTE DERMAL LD50</u>	<u>ACUTE INHALATION LC50</u>
1	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
2	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
3	ACUTE: 3400 MG/KG (RAT)	ACUTE: 1400 MG/KG (RABBIT)	NOT AVAILABLE
4	ACUTE: 3500 MG/KG (RAT) 5320 MG/KG (MOUSE) 3500 MG/KG ((RABBIT)	ACUTE: 8000 MG/KG (RABBIT)	ACUTE 5.1 PPM 4 H OURS (RAT)
5	ACUTE: 4350 MG/KG (RAT)	NOT AVAILABLE	NOT AVAILABLE

SECTION III

HEALTH INFORMATION

THE HEATH EFFECTS NOTED BELOW ARE CONSISTENT WITH REQUIREMENTS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910-1200).

EYE CONTACT: THIS PROUDUCT MAY IRRITATE EYES UPON CONTACT.

SKIN CONTACT: THIS PRODUCT MAY IRRITATE SKIN UPON CONTACT.

INHALATION: SLIGHTLY DANGEROUS IN CASE OF INHALATION.

INGESTION: HARMFUL IF SWALLOWED.

SIGNS AND SYMPTOMS:

AGGRAVATED MEDICAL CONDITIONS:

OTHER HEALTH EFFECTS:

POTENTIAL CHRONIC HEALTH EFFECTS:

EYE CONTACT: REPEATED OR PROLONGED CONTACT WITH SPRAY MIST MAY PRODUCE CHRONIC EYE IRRITATION.

SKIN CONTACT: REPEATED SKIN EXPOSURE CAN PRODUCE LOCAL SKIN DESTRUCTION, OR DERMATITIS.

INGESTION: HARMFUL IF SWALLOWED.

INHALATION: THERE IS NO KNOWN EFFECT FROM CHRONIC EXPOSURE TO THIS PRODUCT.

HAZARDOUS SKIN CONTACT: IF THE PRODUCT GEYTS ONTO THE CLOTHED PORTION OF THE BODY, REMOVE THE CONTAMINATED CLOTHES AS

QUICKLY AS POSSIBLE, PROTECTING YOUR OWN HANDS AND BODY. PLACE THE PERSON UNDER SHOWER. WASH GENTLY AND THOROUGHLY THE CONTAMINATED SKIN WITH RUNNING WATER AND NON-ABBRASIVE SOAP. RINSE WITH PLENTY OF RUNNING WATER. WASH CONTAMINATED CLOTHING BEFORE REUSING.

HAZARDOUS INHALATION:

NO SPECIFIC DATA. ALLOW THE VICTIM TO REST IN A WELL VENTILATED AREA. SEEK MEDICAL ATTENTION.

HAZARDOUS INGESTION:

Do Not INDUCE VOMITING. HAVE CONSCIOUS PERSON DRINK SEVERAL GLASSES OF WATER OR MILK. NEVER GIVE AN UNCONSCIOUS PERSON ANYTHING TO INGEST. LOWER THE HEAD SO THAT THE VOMIT WILL NOT REENTER THE MOUTH AND THROAT. LIQUID ASPIRATED INTO LUNGS DURING INGESTION OR FROM VOMITING MAY CAUSE MILD TO SEVERE PULMONARY INJURY. IF THE PERSON IS NOT BREATHING, ADMINISTER MOUTH-TO-MOUTH RESUSCITATION. SEEK IMMEDIATE MEDICAL ATTENTION.

SECTION IV

OCCUPATIONAL EXPOSURE LIMITS

No.	OSHA		ACGIH		OTHER
	PEL/TWA	PEL/CEILING	TLV/TWA	TLV/STEL	
1	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	
2	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	
3	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	
4	TWA: 20 (PPM) FROM DFG MAK		NOT AVAILABLE	NOT AVAILABLE	
5	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	

SECTION V

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: CHECK FOR AND REMOVE ANY CONTACT LENSES. **IMMEDIATELY** FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15 MINUTES, KEEPING EYELIDS OPEN. IF IRRITATION PERSISTS, CONSULT PHYSICIAN.

SKIN CONTACT: WASH GENTLY AND THOROUGHLY THE CONTAMINATED SKIN WITH RUNNING WATER AND NON-ABBRASIVE SOAP. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

INHALATION: NO KNOWN EFFECT ACCORDING TO OUR DATABASE.

INGESTION: DO NOT INDUCE VOMITING. HAVE CONSCIOUS PERSON DRINK SEVERAL GLASSES OF WATER OR MILK. SEEK IMMEDIATE MEDICAL ATTENTION.

SECTION VI

SUPPLEMENTAL HEALTH INFORMATION

CONTACT A POISON CONTROL CENTER FOR ADDITIONAL TREATMENT INFORMATION.

SECTION VII

PHYSICAL DATA

BOILING POINT (°F): 338° F (GLYCOL ETHER PNB)

SPECIFIC GRAVITY (H₂O = 1): N/A

VAPOR PRESSURE (mm Hg @ 20°C): THE HIGHEST KNOWN VALUE IS 0.6 MM OF HG (@ 20°C) (GLYCOL ETHER PNB)

SOLUBILITY (IN WATER): EASILY SOLUBLE IN WATER.

VAPOR DENSITY (AIR = 1): THE HIGHEST KNOWN VALUE IS 4.6 (AIR = 1) (GLYCOL ETHER PNB). WEIGHTED AVERAGE: 4.6 (AIR = 1)

EVAPORATION RATE (N-BUTYL ACETATE = 1): NOT APPLICABLE

APPEARANCE AND ODOR: MILKY / BLAND

SECTION VIII

FIRE AND EXPLOSION HAZARDS

FLASH POINT AND METHOD: NON-FLAMMABLE

FLAMMABLE LIMITS /% VOLUME IN AIR: NOT APPLICABLE

EXTINGUISHING MEDIA: AQUEOUS SOLUTIONS ARE NON-FLAMMABLE.

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS: NOT APPLICABLE

UNUSUAL FIRE AND EXPLOSION HAZARDS: NOT APPLICABLE

SECTION IX

REACTIVITY

STABILITY: THE PRODUCT IS STABLE.

HAZARDOUS POLYMERIZATION: NOT AVAILABLE.

CONDITIONS AND MATERIALS TO AVOID: REACTIVE WITH OXIDIZING AGENTS, ALKALIS.

HAZARDOUS DECOMPOSITION PRODUCTS: NOT AVAILABLE.

SECTION X

EMPLOYEE PROTECTION

RESPIRATORY PROTECTION: NOT APPLICABLE

PROTECTIVE CLOTHING: SPLASH GOGGLES. GLOVES (DISPOSABLE, VINYL).

PERSONAL PROTECTION IN CASE OF A LARGE SPILL: SPLASH GOGGLES. FULL SUIT. GLOVES. BOOTS.

SECTION XI

ENVIRONMENTAL PROTECTION

SPILL OR LEAK PROCEDURES:

SMALL SPILL: DILUTE WITH WATER AND MOP UP, OR ABSORB WITH AN INERT DRY MATERIAL AND PLACE IN AN APPROPRIATE WASTE DISPOSAL CONTAINER. FINISH CLEANING BY SPREADING WATER ON THE CONTAMINATED SURFACE AND DISPOSE OF ACCORDING TO LOCAL AND REGIONAL AUTHORITY REQUIREMENTS.

LARGE SPILL: ABSORB WITH AN INERT MATERIAL AND PUT THE SPILLED MATERIAL IN AN APPROPRIATE WASTE DISPOSAL. PREVENT ENTRY INTO SEWERS, BASEMENTS OR CONFINED AREAS; DIKE IF NEEDED. WEAR SUITABLE PROTECTIVE CLOTHING. FINISH CLEANING BY SPREADING WATER ON THE CONTAMINATED SURFACE AND DISPOSE OF ACCORDING TO LOCAL AND REGIONAL AUTHORITY REQUIREMENTS. CALL FOR ASSISTANCE ON DISPOSAL.

SECTION XII

SPECIAL PRECAUTIONS

GROUND ALL TRANSFER EQUIPMENT. TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE. HANDLE AS AN INDUSTRIAL CHEMICAL. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. PRACTICE GOOD CAUTION AND PERSONAL CLEANLINESS TO AVOID SKIN AND EYE CONTACT. HOLD BULK STORAGE UNDER NITROGEN BLANKET. STORE IN A COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.

SECTION XIII

TRANSPORTATION REQUIREMENTS

DEPARTMENT OF TRANSPORTATION CLASSIFICATION:

HAZARD CLASS: NOT A DOT CONTROLLED MATERIAL (UNITED STATES).

PACKING GROUP:

IDENTIFICATION NUMBER: NOT APPLICABLE

LABEL REQUIRED:

D.O.T. PROPER SHIPPING NAME:

SECTION XIV

OTHER REGULATORY CONTROLS

NOT MEANT TO BE ALL-INCLUSIVE. SELECTED REGULATIONS PRESENTED.

A. SARA TITLE III SECTION 311/312 HAZARDS:

B. SARA TITLE III SECTION 313:

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- C. WHMIS CLASSIFICATION:
- D. TSCA STATUS:
- E. OSHA HAZARD COMM. STD.:

SECTION XV

STATE REGULATORY INFORMATION

CA = CALIFORNIA HAZ. SUBST. LIST; CA65 = CALIFORNIA SAFE DRINKING WATER AND TOXICS ENFORCEMENT ACT LIST; CT = CONNECTICUT TOX. SUBST. LIST; FL = FLORIDA SUBST. LIST; IL = ILLINOIS TOX. SUBST. LIST; LA = LOUISIANA HAZ. SUBST. LIST; MA = MASSACHUSETTS SUBST. LIST; ME = MAINE HAZ. SUBST. LIST; MN = MINNESOTA HAZ. SUBST. LIST; NJ = NEW JERSEY HAZ. SUBST. LIST; PA = PENNSYLVANIA HAZ. SUBST. LIST; RI = RHODE ISLAND HAZ. SUBST. LIST.

SECTION XVI

SPECIAL NOTES

NEW MSDS.

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