

PRODUCT NAME: **PM550 WB 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: 1

HAZARD RATING

FIRE: 0

LEAST = 0

SLIGHT = 1

MODERATE = 2

REACTIVITY: 0

HIGH = 3

EXTREME = 4

SECTION I

PRODUCT: PM550 WB URETHANE, PART A

CHEMICAL NAME: POLYACRYLATE RESIN

CHEMICAL FAMILY: POLYACRYLATE RESIN

PRODUCT DESCRIPTION: WATER BORNE RESIN DISPERSION

SECTION II-A

PRODUCT / INGREDIENT

<u>No.</u>	<u>COMPOSITION</u>	<u>CAS NUMBER</u>	<u>PERCENT</u>
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THIS PRODUCT CONTAINS NO HAZARDOUS INGREDIENTS

SECTION II-B

ACUTE TOXICITY DATA

<u>No.</u>	<u>ACUTE ORAL LD50</u>	<u>ACUTE DERMAL LD50</u>	<u>ACUTE INHALATION LC50</u>
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THIS PRODUCT CONTAINS NO HAZARDOUS INGREDIENTS AS DEFINED UNDER THE CRITERIA OF THE FEDERAL OSHA COMMUNICATION STANDARD 29 CFR 1910.1200.

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: EYE CONTACT CAN CAUSE MODERATE IRRITATION, WITH REDNESS, TEARING AND BLURRED VISION. PROLONGED CONTACT MAY CAUSE CORNEAL INFLAMMATION WHICH IS USUALLY REVERSIBLE..

SKIN CONTACT: PROLONGED OR REPEATED CONTACT CAN CAUSE MODERATE IRRITATION , REDDENING, SCALING AND DERMATITIS.

INHALATION: PROLONGED OR REPEATED EXPOSURE TO VAPOR CAN CAUSE IRRITATION TO THE NASL PASSAGES, THROAT, DIZZINESS AND HEADACHES. HIGH CONCENTRATION MAY RESULT IN NARCOSIS.

INGESTION: CAN CAUSE GASTROINTESTINAL IRRITON, NAUSEA, VOMITING AND DIARRHA

AGGRAVATED MEDICAL CONDITIONS: NONE KNOWN

SECTION IV

OCCUPATIONAL EXPOSURE LIMITS

	OSHA		ACGIH		OTHER
No.	PEL/TWA	PEL/CEILING	TLV/TWA	TLV/STEL	

NOT ESTABLISHED FOR THE PRODUCT

SECTION V

EMERGENCY AND FIRST AID PROCEDURES

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

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

INHALATION: NO KNOWN EFFECT ACCORDING TO OUR DATABASE.

INGESTION: **DO NOT INDUCE VOMITING.** HAVE A 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): 212F (100C) SPECIFIC GRAVITY (H₂O = 1): 1.06

VAPOR PRESSURE (mm Hg @ 20°C): 29.33 MM HG @ 68F

SOLUBILITY (IN WATER): DISPERSIBLE

VAPOR DENSITY (AIR = 1): .569 (AIR=1)

EVAPORATION RATE (N-BUTYL ACETATE = 1): .07

APPEARANCE AND ODOR: LIGHT STRAW COLORED LIQUID, AMMONIA ODOR

SECTION VIII

FIRE AND EXPLOSION HAZARDS

FLASH POINT AND METHOD: GREATER THAN 250 F (121 C) SETAFLASH

FLAMMABLE LIMITS /% VOLUME IN AIR:

UPPER EXPLOSIVE LIMIT (UEL) (%) 25

LOWER EXPLOSIVE LIMIT (LEL) (%) 16

EXTINGUISHING MEDIA: WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS: FULL EMERGENCY EQUIPMENT WITH SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING SHOULD BE WORN BY THE FIRE - FIGHTERS. USE COLD WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS TO MINIMIZE RISK OF RUPTURE. MATERIAL SUPPORTS COMBUSTION. DURING A FIRE, IRRITATING AND TOXIC GASES SUCH AS CARBON MONOXIDE MAY BE GENERATED BY THERMAL DECOMPOSITION OR COMBUSTION. SEE SECTION VIII. DO NOT SPRAY FIRE DIRECTLY. A SOLID STREAM DIRECTED INTO THE HOT BURNING LIQUID COULD CAUSE FROTHING.

SECTION IX

REACTIVITY

STABILITY: THIS IS A STABLE MATERIAL

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS AND MATERIALS TO AVOID: NONE FOUND

HAZARDOUS DECOMPOSITION PRODUCTS: BY FIRE: CO₂, CO, AND OTHER ALIPHATIC FRAGMENTS.

SECTION X

EMPLOYEE PROTECTION

EYE PROTECTION REQUIREMENTS: SAFETY GLASSES OR GOGGLES ARE RECOMMENDED

SKIN PROTECTION REQUIREMENTS: IMPERMEABLE GLOVES ARE RECOMMENDED

RESPIRATORY/VENTILATION REQUIREMENT: GENERAL DILUTION VENTILATION THAT MAINTAINS VAPOR LEVELS BELOW THE APPROPRIATE EXPOSURE LIMIT IS RECOMMENDED. RESPIRATORY PROTECTION IS NOT REQUIRED WHILE HANDLING THIS PRODUCT UNDER NORMAL CONDITIONS OF USE (SEE SECTION IV FOR THE TYPE OF RESPIRATORY PROTECTION NECESSARY IN A FIRE SITUATION). IF THIS PRODUCT IS USED IN CONJUNCTION WITH OTHER MATERIALS, CONSULT THE APPROPRIATE MATERIAL SAFETY DATA SHEETS FOR RECOMMENDED RESPIRATORY PROTECTION.

ADDITIONAL MEASURES SAFETY SHOWERS AND EYE WASH STATIONS SHOULD BE EASILY ACCESSIBLE TO THE WORK AREA. EMPLOYEE TRAINING AND EDUCATION IN THE SAFE HANDLING AND USE OF THIS PRODUCT IS ESSENTIAL.

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SECTION XI

ENVIRONMENTAL PROTECTION

SPILL OR LEAK PROCEDURES:

COVER SPILL WITH ABSORBENT MATERIAL, SUCH A SAND, SWEEPING COMPOUND OR DIATOMACEOUS EARTH; COLLECT MATERIAL FOR DISPOSAL. WASH SPILL AREA WITH HOT WATER.

WASTE DISPOSAL METHOD.....WASTE MUST BE DISPOSED OF OR INCINERATED IN COMPLIANCE WITH FEDERAL, STATE OR LOCAL ENVIRONMENTAL CONTROL REGULATIONS.

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

TECHNICAL SHIPPING NAME: POLYACRYLATE DISPERSION

FREIGHT CLASS BULK: SYNTHETIC RESIN

FREIGHT CLASS PACKAGE: RESIN, COAL TAR OR PETROLEUM

PRODUCT LABEL: WATERBORNE URETHANE

DOT DOMESTIC SURFACE

HAZARD CLASS OR DIVISION.....NON-REGULATED

IMO / IMDG CODE (OCEAN)

HAZARD CLASS DIVISION NUMBER....NON-REGULATED

ICAO / IATA (AIR)

HAZARD CLASS DIVISION NUMBER.....NON-REGULATED

SECTION XIV

OTHER REGULATORY CONTROLS

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

- A. SARA TITLE III SECTION 311/312 HAZARDS: NON-HAZARDOUS UNDER 311/312
- B. SARA TITLE III SECTION 313: TOXIC CHEMICALS: NONE
- C. WHMIS CLASSIFICATION:
- D. TSCA STATUS: ON TSCA INVENTORY
- E. OSHA HAZARD COMM. STD.:

ANIMAL TOXICITY DATA.....NO ANIMAL TOXICITY INFORMATION AVAILABLE

FEDERAL REGULATORY INFORMATION...

OSHA STATUS....THIS PRODUCT IS NOT HAZARDOUS UNDER THE CRITERIA OF THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200

TSCA STATUS... ON THE TSCA INVENTORY

CERCLA REPORTABLE QUANTITY NONE

OTHER REGULATORY INFORMATION

COMPONENT NAME

/CAS NUMBER

POLYACRYLATE RESIN

APPROX. 60-70 %

PA3, NJ4

NJ4=NEW JERSEY OTHER-INCLUDED IN 5 PREDOMINANT INCREDIENTS >1%

PA3=PENNSYLVANIA NON-HAZARDOUS PRESENT AT 3% OR GREATER.

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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.

POLYESTER RESIN

SECTION XVI

SPECIAL NOTES

THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. HOWEVER, MILAMAR COATINGS, INC. MAKES NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. MILAMAR COATINGS, INC. ASSUMES NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.

DATED PREPARED: SEPTEMBER 13, 2011
PREPARED BY: MILAMAR COATINGS, INC.
311 NW 122ND ST, STE 100
OKLAHOMA CITY, OK 73114