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Delta Polymers, Inc.

**MANUFACTURERS OF HIGH PERFORMANCE
 EPOXY & POLYURETHANE FLOORING SYSTEMS**

SECTION 1 • PRODUCT IDENTIFICATION

PRODUCT CLASS: Epoxy Hardener PRODUCT NAME: **POLYBOND 364 - PART B**
 PRODUCT USE: HARDENER EPOXY RESIN GEL FOR METAL ADHESIVE, REPAIR AND
 SMOOTHING COMPOUND

HAZARD CLASSIFICATION: HAZARD RATING OF 0 = NONE TO 4 = EXTREME
 Health – 3 Fire – 1 Reactivity – 0 Personal Protection: - G (Gloves, Goggles & Apron)

SECTION 2 • HAZARDOUS INGREDIENTS

COMPONENT	CAS#	Wt.%	Exposure Limits		VP (mm Hg)
			ACGIH/TLV	OSHA/PEL	
N-PHENOL	84852-15-3	< 1.0	N/E	5 ppm	0.4
		STEL=	N/E	N/E	
COLLOIDAL SILICA	112945-52-5	5-20	----- Undetermined -----		0
		STEL=	N/E	N/E	
DIETHYLENE TRIAMINE	111-40-0	5-20	1 ppm	1 ppm	0
		STEL=	N/E	N/E	

THIS PRODUCT CONTAINS PIGMENTS WHICH ARE NOT SIGNIFICANT SKIN IRRITANTS AND MAY CONTAIN AMORPHOUS/CRYSTALLINE SILICA, ADDED OR AS PART OF THE PIGMENT COMPOSITION. THE PIGMENTS AND FILLERS, INCLUDING SILICA, ARE BOUND IN A RESIN MATRIX, HENCE EFFECTS OF ANY EXPOSURE TO INHALATION AS NUISANCE DUST, IS UNLIKELY.

MARKED ITEMS ARE LISTED ON SARA TITLE III SECTION 313 INVENTORY

SECTION 3 - PHYSICAL DATA

ODOR & APPEARANCE: AMINE ODOR, YELLOW, PASTE CONSISTENCY
EVAPORATION RATE: 0.14 x n-BUTYLACETATE **VOLATILES VOLUME:** 0.4 %
LIQUID DENSITY: >1.0 (ref. WATER) **VAPOR DENSITY:** >1.0 (ref. AIR) **VOC:** NONE
SPECIFIC GRAVITY: 1.04 **WEIGHT/GALLON:** 8.68 lb/gal **BOILING RANGE:** 359-587°F

SECTION 4 - FIRE OR EXPLOSION HAZARD

(FLASH POINT, UEL AND LEL FOR SOLVENT ONLY)

FLAMMABILITY CLASS: NON-FLAMMABLE

EXTINGUISHING MEDIA: WATER FOG, FOAM., CO₂, DRY CHEMICAL

FLASH POINT & METHOD: 175°F (TCC) LEL: N/A UEL: N/A

SPECIAL FIRE FIGHTING PROCEDURES:

USE NIOSH APPROVED CONTAINED BREATHING APPARATUS, EYE PROTECTION AND PROPER PROTECTING GEAR. DO NOT DIRECT SOLID STREAM OF WATER OR FOAM INTO BURNING MOLTEN MATERIAL. USE WATER SPRAY TO REDUCE VAPORS.

SECTION 4 - FIRE OR EXPLOSION HAZARD (Cont)

UNUSUAL FIRE AND EXPLOSION HAZARDS:

MAY GENERATE TOXIC IRRITATING COMBUSTION PRODUCTS. DURING FIRE CARBON MONOXIDE, CARBON DIOXIDE AND NITROGEN OXIDES MAY BE GENERATED.

SECTION 5 - HEALTH HAZARD DATA

ROUTES OF ENTRY/CARCINOGENICITY

ROUTES OF ENTRY: EYE CONTACT / INGESTION / SKIN CONTACT / INHALATION

CARCINOGENICITY: DOES NOT CONTAIN CHEMICALS CONSIDERED TO BE CARCINOGENIC BY NTP, IARC OR OSHA.

TARGET ORGANS: EYES / SKIN / RESPIRATORY SYSTEM

HEALTH HAZARDS: SEVERE EYE. SKIN AND RESPIRATORY TRACT IRRITANT. CORROSIVE TO SKIN. SERIOUS DAMAGE TO EYES POSSIBLE. RISK OF IRREVERSIBLE EFFECTS.

EFFECTS OF SINGLE OVEREXPOSURE

EYE CONTACT: CONTACT OF UNDILUTED PRODUCT WITH EYES QUICKLY CAUSES SEVERE IRRITATION AND PAIN AND MAY CAUSE BURNS, NECROSIS AND PERMANENT EYE INJURY. VAPORS MAY CAUSE CONJUNCTIVITIS AND CORNEAL EDEMA CAUSING TEMPORARY DISTURBANCE OF VISION.

SKIN CONTACT: CAUSES LOCAL DISCOMFORT AND PAIN AND MAY CAUSE BURNS, ULCERATION AND BLEEDING FROM THE INJURED AREA.

INHALATION: VAPORS MAY BE IRRITATING, MAY DAMAGE CONTACTED TISSUE AND CAUSE SHORTNESS OF BREATH, NAUSEA AND VOMITING.

INGESTION: MAY CAUSE BURNS OF MOUTH AND THROAT, ABDOMINAL PAIN, DIARRHEA, BLEEDING OF THE GASTROINTESTINAL AND VOMITING OF BLOOD. ASPIRATION INTO THE LUNGS MAY CAUSE LUNG INJURY.

EFFECTS OF REPEATED EXPOSURE:

REPEATED AND/OR PROLONGED EXPOSURE TO LOW CONCENTRATIONS OF VAPORS MAY CAUSE SORE THROAT, EYE IRRITATION OR SENSITIZATION OF THE RESPIRATORY TRACT AND THE DEVELOPMENT OF AN ASTHMATIC REACTION TO FURTHER EXPOSURE.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

ASTHMA, CHRONIC RESPIRATORY DISEASES, EYE DISEASES, SKIN DISORDERS AND ALLERGIES. |

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EYE CONTACT: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. OBTAIN MEDICAL ATTENTION IMMEDIATELY, PREFERABLY FROM AN OPHTHALMOLOGIST.

SKIN CONTACT: IMMEDIATELY FLUSH SKIN THOROUGHLY FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. OBTAIN MEDICAL ATTENTION. WASH CLOTHING BEFORE REUSE. DISCARD CONTAMINATED LEATHER APPAREL.

INHALATION: REMOVE PERSON TO FRESH AIR. IF BREATHING HAS STOPPED, QUALIFIED PERSONNEL SHOULD ADMINISTER RESPIRATION. IF BREATHING IS DIFFICULT, OXYGEN MAY BE GIVEN BY QUALIFIED PERSONNEL. OBTAIN MEDICAL ATTENTION PROMPTLY.

INGESTION: IF PATIENT IS CONSCIOUS, GIVE 3-4 GLASSES OF MILK OR WATER. DO NOT INDUCE VOMITING. OBTAIN MEDICAL CARE AND HOSPITAL TREATMENT IMMEDIATELY.

SECTION 6 - REACTIVITY DATA

CHEMICAL STABILITY: STABLE **HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR.

INCOMPATIBILITY WITH OTHER SUBSTANCES:

MINERAL ACIDS, OXIDIZING AGENTS, ACRYLATES AND ORGANIC HALIDES.

CONDITIONS TO AVOID:

ELEVATED TEMPERATURES FOR PROLONGED PERIODS OF TIME.

HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON DIOXIDE. CARBON MONOXIDE, NITROGEN OXIDES AND IRRITATING AND TOXIC FUMES AT ELEVATED TEMPERATURES.

SECTION 7 • SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:

WEAR SELF-CONTAINED BREATHING APPARATUS AND BUTYL RUBBER PROTECTIVE CLOTHING. STOP LEAK IF POSSIBLE. VENTILATE THE AREA. REDUCE VAPOR SPREADING WITH WATER SPRAY. IF CLEAN UP IS NOT POSSIBLE, MIX WITH DRY SOIL OR NON-REACTIVE ABSORBENT MATERIAL AND PLACE IN A CONTAINER, PENDING DISPOSAL. COLLECT RUN-OFF WATER FOR DISPOSAL.

WASTE DISPOSAL:

DISPOSE BY INCINERATION OR LANDFILL, WHERE PERMITTED BY FEDERAL, STATE AND LOCAL REGULATIONS. DO NOT DISCHARGE INTO SEWER OR WATERWAYS.

SECTION 8 - PREVENTATIVE MEASURES

RESPIRATORY: DISPOSABLE CARTRIDGE RESPIRATOR OR POSITIVE PRESSURE SUPPLIED AIR RESPIRATOR EQUIPPED WITH A FULL FACE PIECE, DEPENDING UPON THE OPERATION. AS A MATTER OF GOOD INDUSTRIAL PRACTICE, USE NIOSH APPROVED AIR PURIFYING RESPIRATORS EQUIPPED WITH PARTICULATE FILTERS DURING ANY SURFACE PREPARATION INVOLVING SANDBLASTING OR SANDING OF CURED EPOXY SYSTEMS.

EYE: USE CHEMICAL SAFETY GOGGLES; USE FACE SHIELDS IN EMERGENCY SITUATIONS.

SKIN: USE PROTECTIVE CLOTHING IMPERVIOUS TO THIS MATERIAL. SELECTION OF SPECIFIC ITEMS SUCH AS GLOVES, BOOTS, APRON OR FULL BODY SUIT, WILL DEPEND ON THE OPERATION. IMPERVIOUS BUTYL / NEOPRENE GLOVES ARE RECOMMENDED.

VENTILATION: PROPER VENTILATION IS NECESSARY. USE LOCAL EXHAUST AND MECHANICAL SYSTEMS LEADING TO FRESH AIR. USE SUITABLE RESPIRATORY EQUIPMENT IN CASE OF INSUFFICIENT VENTILATION.

OTHER: SAFETY SHOWER AND EYE WASH FACILITY ARE RECOMMENDED.

HANDLING AND STORAGE: KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. STORE IN A COOL, DRY PLACE. FLUSH EMPTY CONTAINERS WITH WATER.

KEEP CONTAINERS CLOSED UNTIL READY FOR USE. AVOID BREATHING FUMES; PROVIDE ADEQUATE VENTILATION.

SECTION 9 - REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:

ALL COMPONENTS ARE INCLUDED IN EPA TSCA CHEMICAL SUBSTANCE INVENTORY.

OSHA HAZARD COMMUNICATION STANDARD (291910.1200) HAZARD CLASSES:

IRRITANT, CORROSIVE

EPA SARA TITLE III SECTION 312 (40CFR370) HAZARD CLASS:

AN IMMEDIATE HEALTH HAZARD. A DELAYED HEALTH HAZARD.

EPA SARA TITLE III SECTION 313 (40CFR372) TOXIC CHEMICALS ABOVE "DE MINIMIS" LEVEL ARE:

INGREDIENTS MARKED WITH AN ASTERISK, "*", AS LISTED IN SECTION 2, ABOVE.

SECTION 10 - DOT/SHIPPING INFORMATION

DOT/UN SHIPPING NAME: CORROSIVE LIQUID NOS (CONTAINS ALKALINE AMINE)

DOT HAZARD CLASS: CORROSIVE MATERIAL

DOT/UN HAZARD NUMBER: UN1760

DOT PLACARD: CORROSIVE

SECTION 11 -DISCLAIMER

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