

M A T E R I A L S A F E T Y D A T A S H E E T

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : POLYMER STEEL RG BASE
 IDENTIFICATION NUMBER: PSRGBASE000A PREPARE / REVISED: 08/07/06
 PRODUCT USE/CLASS : EPOXY PATCHING COMPOUND

SUPPLIER: Dudick, Inc. 1818 Miller Parkway Streetsboro, Ohio 44241	MANUFACTURER: Dudick, Inc. 1818 Miller Parkway Streetsboro, Ohio 44241
CHEM-TEL: 800-255-3924 24 HOURS A DAY	CHEM-TEL: 800-255-3924 24 HOURS A DAY

PREPARER: DUDICK, INC PHONE: 800-322-1970,

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % LESS THAN
01	BISPHENOL A EPOXY RESIN	025085-99-8	25.0 %
02	SILICON DIOXIDE (CRYSTALLINE)	14808-60-7	20.0 %
03	EPOXY PHENOL NOVALAC RESIN	39817-09-9	10.0 %
04	TALC, NONASBESTIFORM	14807-96-6	10.0 %
05	SILICON DIOXIDE (AMORPHOUS)	7631-86-9	5.0 %

----- EXPOSURE LIMITS -----						
	ACGIH		OSHA		COMPANY	
ITEM	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	TLV-TWA	SKIN
01	NE	NE	NE	NE	NE	YES
02	.1mg/m3	NO INFO	.1mg/m3	NO INFO	NE	NO
03	NE	NE	NE	NE	NE	YES
04	NE	NE	NE	NE	NE	NO
05	10mg/m3	NO INFO	6mg/m3	NO INFO	NE	NO

(See Section 16 for abbreviation legend)

SECTION 3 - HAZARDS IDENTIFICATION

*** EMERGENCY OVERVIEW ***: CAUTION!...MAY CAUSE EYE AND SKIN IRRITATION.
 CAUTION!---CONTAINS RESPIRABLE SILICA.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: MODERATE EYE IRRITANT.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: MODERATE SKIN IRRITANT. MAY CAUSE

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| SECTION 3 - HAZARDS IDENTIFICATION |
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REDNESS AND SWELLING IN INDIVIDUALS ALLERGIC TO EPOXY RESINS.

EFFECTS OF OVEREXPOSURE - INHALATION: LOW VOLITILITY. PRODUCT IS NOT EXPECTED TO BE A MAJOR INHALATION HAZARD.

EFFECTS OF OVEREXPOSURE - INGESTION: INGESTION MAY CAUSE NAUSEA, CRAMPS, VOMITING, AND DIARRHEA. THIS PRODUCT HAS A LOW ORDER ORAL TOXICITY.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: ALLERGIC REACTIONS MAY OCCUR IN SOME INDIVIDUALS. PREEXISTING SKIN AND EYE DISORDERS MAY BE AGGRAVATED BY THIS PRODUCT. PREEXISTING SKIN OR LUNG INJURIES MAY INCREASE THE CHANCE OF DEVELOPING ALLERGY SYMPTOMS FROM EXPOSURE TO THIS PRODUCT. MAY CAUSE SKIN SENSITIZATION. THE TALC CONTAINED IN THIS PRODUCT IS NOT IN ITS FREE STATE AND SHOULD BE A HEALTH CONCERN ONLY IF GRINDING OR SANDING THE CURED MATERIAL. THE AMORPHOUS SILICA CONTAINED IN THIS PRODUCT IS NOT IN A FREE STATE AND SHOULD BE A HEALTH CONCERN ONLY IF GRINDING OR SANDING THE CURED MATERIAL. IT WOULD BE CONSIDERED A NUISANCE DUST IN THIS CASE AND PROPER RESPIRATORY PROTECTION SHOULD BE WORN. THE SILICA CONTAINED IN THIS PRODUCT IS NOT IN A FREE STATE AND WOULD BE A HEALTH CONCERN ONLY IF GRINDING OR SANDING THE CURED PRODUCT.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT EYE CONTACT

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| SECTION 4 - FIRST AID MEASURES |
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FIRST AID - EYE CONTACT: HOLD OPEN EYE LIDS AND FLUSH WITH COPIOUS AMOUNTS OF FLOWING WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION.

FIRST AID - SKIN CONTACT: WASH AFFECTED AREAS THOROUGHLY WITH SOAP AND WATER. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION. REMOVE CONTAMINATED CLOTHING AND WASH THOROUGHLY BEFORE REUSE.

FIRST AID - INHALATION: REMOVE VICTIM TO FRESH AIR. IF VICTIM IS NOT BREATHING, ARTIFICIAL RESPIRATION SHOULD BE ADMINISTERED BY QUALIFIED PERSONNEL.

FIRST AID - INGESTION: DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GIVE VICTIM PLENTY OF WATER TO DRINK IF CONSCIOUS.

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| SECTION 5 - FIRE FIGHTING MEASURES |
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FLASH POINT: 201 F
(SETAFLASH CLOSED CUP)

LOWER EXPLOSIVE LIMIT: N.A.
UPPER EXPLOSIVE LIMIT: N.A.

AUTOIGNITION TEMPERATURE: NE

EXTINGUISHING MEDIA: ALCOHOL FOAM CO2 DRY CHEMICAL FOAM WATER FOG

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SECTION 5 - FIRE FIGHTING MEASURES

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UNUSUAL FIRE AND EXPLOSION HAZARDS: TOXIC FUMES MAY BE PRODUCED IF THIS PRODUCT IS INVOLVED IN A FIRE.

SPECIAL FIREFIGHTING PROCEDURES: EVACUATE AREA. FIGHT FIRE FROM A SAFE DISTANCE. WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.

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SECTION 6 - ACCIDENTAL RELEASE MEASURES

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: DIKE AREA TO CONTAIN SPILLAGE. ABSORB EXCESS WITH SAND, EARTH, OR VERMICULITE. SCRAPE UP AND PLACE IN SUITABLE CONTAINER FOR DISPOSAL. WEAR ALL APPROPRIATE SAFETY EQUIPMENT WHILE HANDLING SPILLS.

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SECTION 7 - HANDLING AND STORAGE

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HANDLING: AVOID CONTACT WITH EYES AND SKIN. FOR INDUSTRIAL USE ONLY. WEAR APPROPRIATE SAFETY EQUIPMENT WHEN HANDLING.

STORAGE: DO NOT STORE NEAR INCOMPATIBLES. DO NOT STORE NEAR EXCESSIVE HEAT OR NEAR SOURCES OF IGNITION. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

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SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING CONTROLS: GENERAL MECHANICAL VENTILATION MAY BE SUFFICIENT TO MINIMIZE VAPOR CONCENTRATIONS. LOCAL EXHAUST MAY BE REQUIRED.

RESPIRATORY PROTECTION: WEAR A PROPERLY FITTED NIOSH/MSHA APPROVED RESPIRATOR WHEN EXPOSURE TO MISTS OR VAPORS IS LIKELY. NOT REQUIRED UNDER NORMAL CONDITIONS. CONSIDERATIONS MUST BE GIVEN TO OTHER COMPONENTS OF THIS SYSTEM. USE RESPIRATORY EQUIPMENT SUITABLE TO THE MOST SEVERE COMPONENT.

SKIN PROTECTION: IMPERVIOUS RUBBER OR NEOPRENE TYPE. CONSULT GLOVE MANUFACTURER FOR RECOMMENDATIONS.

EYE PROTECTION: SAFETY GLASSES WITH SIDE SHIELDS RECOMMENDED AS MINIMUM PROTECTION. GOGGLES RECOMMENDED FOR INDIVIDUALS MIXING THE RESIN AND CATALYST.

OTHER PROTECTIVE EQUIPMENT: CLEAN, FULL BODY COVERING TO MINIMIZE SKIN CONTACT WITH MATERIAL. AN EYEWASH STATION AND SAFETY SHOWER IS RECOMMENDED NEAR WORK AREA.

HYGIENIC PRACTICES: SMOKING OR EATING IN THE WORK AREA SHOULD NOT BE

PERMITTED. WASH THOROUGHLY AFTER HANDLING MATERIAL. CONTAMINATED CLOTHING
MUST BE THOROUGHLY WASHED BEFORE REUSE.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE : 0 - 4046 F VAPOR DENSITY : Is heavier than air
ODOR : CHARACTERISTIC ODOR THRESHOLD : NE
APPEARANCE : THICK PASTE EVAPORATION RATE: Is slower than Ether
SOLUBILITY IN H2O : NEGLIGIBLE
FREEZE POINT : NE SPECIFIC GRAVITY: 2.1
VAPOR PRESSURE : NE pH @ 0.0 % : NE
PHYSICAL STATE : PASTE VISCOSITY : NE
COEFFICIENT OF WATER/OIL DISTRIBUTION: NE

(See Section 16 for abbreviation legend)

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: HEAT, FLAME, CONTAMINANTS. DO NOT MIX WITH HARDENER COMPONENT AND LEAVE UNATTENDED. CONSIDERABLE HEAT AND SMOKE MAY EVOLVE CREATING HAZARDOUS CONDITIONS.

INCOMPATIBILITY: STRONG OXIDANTS. STRONG ACIDS. STRONG ALKALIS.

HAZARDOUS DECOMPOSITION PRODUCTS: BURNING WILL PRODUCE TOXIC FUMES. OXIDES OF CARBON. OTHER TOXIC ORGANIC SUBSTANCES MAY BE FORMED.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

SECTION 11 - TOXICOLOGICAL PROPERTIES

PRODUCT LD50: 4000 mg/kg

PRODUCT LC50: 6820 ppm

COMPONENT TOXICOLOGICAL INFORMATION:

CHEMICAL NAME	LD50	LC50
ALUMINUM OXIDE	NO INFO	NO INFO
BISPHENOL A EPOXY RESIN	>4000mg/kg ORAL RT	NO INFO
SILICON DIOXIDE (CRYSTALLINE)	NO INFO	NO INFO
TITANIUM DIOXIDE	>24000mg/kg ORAL	6820mg/m3 4hr RAT
EPOXY PHENOL NOVALAC RESIN	>5000MG/KG ORAL RT	NO INFO
TALC, NONASBESTIFORM	NO INFO	NO INFO
IRON OXIDE	>5000mg/kg ORAL RT	NO INFO
SILICON DIOXIDE (AMORPHOUS)	>5000mg/kg ORAL RT	NO INFO
CALCINED ALUMINUM SILICATE	NO INFO	NO INFO
CELLULOSE WITH INERT CLAY	NO INFO	NO INFO
GLYCERINE	17000mg/kg ORAL RT	>6mg/l 6HR RAT
GLYCIDOXYPROPYLTRIMETHOXSILANE	NO INFO	NO INFO
SILICON DIOXIDE (AMORPHOUS)	>5000mg/kg ORAL RT	NE

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SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: DO NOT CONTAMINATE PONDS, STREAMS, OR UNDERGROUND WATER SUPPLY. PREVENT FROM ENTERING SEWERS.

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: FOLLOW ALL RELEVANT LOCAL, STATE, AND FEDERAL REGULATIONS. AS MANUFACTURED, IF THIS PRODUCT IS DISCARDED, IT WOULD NOT BE A HAZARDOUS WASTE AS DEFINED BY RCRA. EMPTY DRUMS MAY CONTAIN RESIDUE OR FUMES WHICH ARE HARMFUL. DO NOT WELD, GRIND, OR USE CUTTING TORCHES ON EMPTY DRUMS.

SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: PLASTIC LIQUID MATERIAL NOI

DOT TECHNICAL NAME: NA

DOT HAZARD CLASS: NON-REGULATED

HAZARD SUBCLASS: NA

DOT UN/NA NUMBER: NA

PACKING GROUP: NA

RESP. GUIDE PAGE:

SECTION 15 - REGULATORY INFORMATION

THE FOLLOWING COMPONENTS ARE NOT SUBJECT TO REPORTING IN SECTION 2:

----- CHEMICAL NAME -----	CAS NUMBER	WT/WT % IS LESS THAN
ALUMINUM OXIDE	1344-28-1	35.0 %
TITANIUM DIOXIDE	13463-67-7	10.0 %
IRON OXIDE	1309-37-1	5.0 %
CALCINED ALUMINUM SILICATE	1332-58-7	1.0 %
CELLULOSE WITH INERT CLAY	MIXTURE	1.0 %
GLYCERINE	56-81-5	1.0 %
GLYCIDOXYPROPYLTRIMETHOXYSILANE	2530-83-8	0.1 %
SILICON DIOXIDE (AMORPHOUS)	7631-86-9	0.1 %

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD CHRONIC HEALTH HAZARD

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SECTION 15 - REGULATORY INFORMATION

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

----- CHEMICAL NAME ----- CAS NUMBER WT/WT % IS LESS THAN
No SARA Section 313 components exist in this product.

TOXIC SUBSTANCES CONTROL ACT:

The chemical substances in this product are on the TSCA Section 8 Inventory.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

----- CHEMICAL NAME ----- CAS NUMBER
No information is available.

U.S. STATE REGULATIONS: AS FOLLOWS -

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product:

----- CHEMICAL NAME -----	CAS NUMBER
ALUMINUM OXIDE	1344-28-1
TITANIUM DIOXIDE	13463-67-7

PENNSYLVANIA RIGHT-TO-KNOW:

The following non-hazardous ingredients are present in the product at greater than 3%:

----- CHEMICAL NAME -----	CAS NUMBER
ALUMINUM OXIDE	1344-28-1
TITANIUM DIOXIDE	13463-67-7

CALIFORNIA PROPOSITION 65:

WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm:

----- CHEMICAL NAME ----- CAS NUMBER
No Proposition 65 chemicals exist in this product.

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

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SECTION 16 - OTHER INFORMATION

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HMIS RATINGS - HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0

VOLATILE ORGANIC COMPOUNDS (VOCs): 0.00 lbs/gal, 0 grams/ltr

LEGEND: N.A. - Not Applicable, N.E. - Not Established,
N.D. - Not Determined

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The information contained on this MSDS has been compiled from information obtained from raw material suppliers and is believed to be accurate. It is the responsibility of the user to comply with all Federal, State and Local

Regulations.

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<END OF MSDS>