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 SG HARDENER
IDENTIFICATION NUMBER: PSSGHARD000B PREPARE / REVISED: 08/07/06
PRODUCT USE/CLASS : EPOXY HARDENER

SUPPLIER:
Dudick, Inc.
1818 Miller Parkway
Streetsboro, Ohio 44241

CHEM-TEL: 800-255-3924
24 HOURS A DAY

MANUFACTURER:
Dudick, Inc.
1818 Miller Parkway
Streetsboro, Ohio 44241

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	TRIETHYLENETETRAMINE	112-24-3	60.0 %
02	HETEROCYCLIC AMINE AND DIOL ETHER	MIXTURE	45.0 %

	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	NO INFO	NO INFO	NO INFO	NO INFO	NE	YES

(See Section 16 for abbreviation legend)

SECTION 3 - HAZARDS IDENTIFICATION

*** EMERGENCY OVERVIEW ***: DANGER!---CAUSES BURNS. HARMFUL IF SWALLOWED. DO NOT GET IN EYES, ON SKIN, OR CLOTHING. DO NOT BREATH VAPORS OR MISTS.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: EYE CONTACT MAY CAUSE SEVERE IRRITATION WITH CORNEAL INJURY. MAY CAUSE BLINDNESS.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: PROLONGED EXPOSURE MAY CAUSE SKIN IRRITATION AND BURNS. SEVERE SKIN IRRITANT.

EFFECTS OF OVEREXPOSURE - INHALATION: VAPORS AND MISTS MAY BE CORROSIVE TO THE RESPIRATORY TRACT.

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SECTION 3 - HAZARDS IDENTIFICATION

EFFECTS OF OVEREXPOSURE - INGESTION: INGESTION MAY CAUSE BURNS TO THE MOUTH, THROAT, AND ESOPHAGUS. INGESTION MAY CAUSE NAUSEA,CRAMPS,VOMITING, AND DIARRHEA.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: ALLERGIC REACTIONS MAY OCCUR IN SOME INDIVIDUALS. PREEXISTING SKIN AND EYE DISORDERS MAY BE AGGRAVATED BY THIS PRODUCT. TETA HAS BEEN FOUND TO PRODUCE KIDNEY AND LIVER DAMAGE AND BRAIN CONGESTION IN DERMALLY EXPOSED ANIMALS. TETA WAS FOUND TO BE A DIRECT ACTING MUTAGEN IN THE AMES TEST GIVING POSITIVE RESULTS WITH AND WITHOUT ACTIVATION. TETA WAS FETOTOXIC AND TERATOGENIC WHEN FED TO RATS AT 0.83% AND 1.67% OF DIET. WHEN APPLIED TO THE SKIN OF PREGNANT GUINEA PIGS THERE WAS A 90% ABORTION RATE OR DEATH OF FETUS WITH DEVELOPMENTAL ANOMALIES. THESE EFFECTS ARE BELIEVED TO BE SECONDARY TO COPPER DEFICIENCY RESULTING FROM THE CHELATING ACTIVITY OF TETA.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT SKIN ABSORPTION INHALATION INGESTION EYE CONTACT

SECTION 4 - FIRST AID MEASURES

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. 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. SUPPLEMENTAL OXYGEN MAY BE INDICATED. CALL A PHYSICIAN.

FIRST AID - INGESTION: IF SWALLOWED,CALL A PHYSICIAN IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GIVE VICTIM PLENTY OF WATER TO DRINK IF CONSCIOUS.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: 231 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

UNUSUAL FIRE AND EXPLOSION HAZARDS: MAY PRODUCE TOXIC CARBON MONOXIDE AND NITROGEN OXIDES UPON COMBUSTION.

SPECIAL FIREFIGHTING PROCEDURES: EVACUATE AREA. WATER MAY BE INEFFECTIVE BUT MAY BE USED TO COOL FIRE EXPOSED CONTAINERS. FIGHT FIRE FROM A SAFE

DISTANCE. WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.

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SECTION 6 - ACCIDENTAL RELEASE MEASURES

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.

SECTION 7 - HANDLING AND STORAGE

HANDLING: IF BODILY CONTACT OCCURS, REMOVE CONTAMINATED CLOTHING AT ONCE. AVOID CONTACT WITH EYES AND SKIN. AVOID BREATHING VAPORS. FOR INDUSTRIAL USE ONLY. WEAR APPROPRIATE SAFETY EQUIPMENT WHEN HANDLING.

STORAGE: DO NOT STORE NEAR INCOMPATIBLES. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

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.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE	: 301 - 531 F	VAPOR DENSITY	: Is heavier than air
ODOR	: AMMONIA	ODOR THRESHOLD	: NE
APPEARANCE	: AMBER LIQUID	EVAPORATION RATE	: Is slower than Ether
SOLUBILITY IN H2O	: COMPLETELY		
FREEZE POINT	: NE	SPECIFIC GRAVITY	: 0.996
VAPOR PRESSURE	: NE	pH @ 0.0 %	: NE
PHYSICAL STATE	: LIQUID	VISCOSITY	: NE

COEFFICIENT OF WATER/OIL DISTRIBUTION: NE

(See Section 16 for abbreviation legend)

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SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: HEAT, FLAME, CONTAMINANTS.

INCOMPATIBILITY: STRONG OXIDANTS. STRONG ACIDS.

HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF NITROGEN. 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

No product or component toxicological information is available.

SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: DO NOT CONTAMINATE PONDS, STREAMS, OR UNDERGROUND WATER SUPPLY. TETA IS RESISTANT TO BIODEGREDATION IN BIOLOGICAL WASTE WATER TREATMENT PLANTS. IT COULD BE TOXIC TO THE BIOMASS IN A TREATMENT PLANT AND COULD BE TOXIC TO FISH.

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: FOLLOW ALL RELEVANT LOCAL, STATE, AND FEDERAL REGULATIONS. EMPTY DRUMS MAY CONTAIN RESIDUE OR FUMES WHICH ARE HARMFUL.

SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: CORROSIVE LIQUID N.O.S.

DOT TECHNICAL NAME: POLYAMINES

DOT HAZARD CLASS: 8 HAZARD SUBCLASS: NA

DOT UN/NA NUMBER: UN1760 PACKING GROUP: II RESP. GUIDE PAGE: 154

SECTION 15 - REGULATORY INFORMATION

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

---------- CHEMICAL NAME ---------- CAS NUMBER WT/WT % IS LESS THAN

No non-hazardous components exist

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SECTION 15 - REGULATORY INFORMATION

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

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
No non-hazardous materials are among the top five ingredients.

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

---------- CHEMICAL NAME ---------- CAS NUMBER
No non-hazardous ingredients are present at greater than 3%.

CALIFORNIA PROPOSITION 65:

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SECTION 15 - REGULATORY INFORMATION

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: E

SECTION 16 - OTHER INFORMATION

HMIS RATINGS - HEALTH: 3* 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

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.

<END OF MSDS>