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

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SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME : PROTECTO-FLEX 100XT TC COMP. A
IDENTIFICATION NUMBER: PFL100XTATCA PREPARE / REVISED: 08/07/06
PRODUCT USE/CLASS : BISPHENOL F EPOXY

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

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

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

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SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

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ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % LESS THAN
01	EPOXY PHENOL NOVALAC RESIN	39817-09-9	70.0 %
02	BENZYL ALCOHOL	100-51-6	15.0 %
03	MICA	1318-94-1	15.0 %
04	HYDROPHOBIC SILICON DIOXIDE	7631-86-9	5.0 %

ITEM	EXPOSURE LIMITS					
	ACGIH		OSHA		COMPANY	
	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	NO
03	3mg/m3	NO INFO	20MPPCF	NO INFO	NE	NO
04	10MG/M3	NO INFO	NO INFO	NO INFO	NE	NO

(See Section 16 for abbreviation legend)

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SECTION 3 - HAZARDS IDENTIFICATION

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*** EMERGENCY OVERVIEW ***: CAUTION!...MAY CAUSE EYE AND SKIN IRRITATION.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: MODERATE EYE IRRITANT.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: MODERATE SKIN IRRITANT. MAY CAUSE REDNESS AND SWELLING IN INDIVIDUALS ALLERGIC TO EPOXY RESINS.

EFFECTS OF OVEREXPOSURE - INHALATION: LOW VOLITILITY. PRODUCT IS NOT

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SECTION 3 - HAZARDS IDENTIFICATION
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EXPECTED TO BE A MAJOR INHALATION HAZARD.

EFFECTS OF OVEREXPOSURE - INGESTION: 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. NEOPENTYL GLYCOL DIGLYCIDYL ETHER WAS FOUND TO BE CARCINOGENIC IN SKIN PAINTING STUDIES ON MICE. IT HAS ALSO BEEN REPORTED TO BE POSITIVE IN SOME MUTAGENIC ASSAYS. MAY CAUSE SKIN SENSITIZATION.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT INHALATION INGESTION 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: 205 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: 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.

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.

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 |
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BOILING RANGE	: 401 - 401 F	VAPOR DENSITY	: Is heavier than air
ODOR	: CHARACTERISTIC	ODOR THRESHOLD	: NE
APPEARANCE	: VISCOUS LIQUID	EVAPORATION RATE	: Is slower than Ether
SOLUBILITY IN H2O	: NEGLIGIBLE		
FREEZE POINT	: NE	SPECIFIC GRAVITY	: 1.2
VAPOR PRESSURE	: NE	pH @ 0.0 %	: NA
PHYSICAL STATE	: LIQUID	VISCOSITY	: NE

COEFFICIENT OF WATER/OIL DISTRIBUTION: NE

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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(See Section 16 for abbreviation legend)

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SECTION 10 - STABILITY AND REACTIVITY

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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.

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SECTION 11 - TOXICOLOGICAL PROPERTIES

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No product or component toxicological information is available.

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SECTION 12 - ECOLOGICAL INFORMATION

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

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SECTION 13 - DISPOSAL CONSIDERATIONS

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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.

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SECTION 14 - TRANSPORTATION INFORMATION

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DOT PROPER SHIPPING NAME: PLASTIC LIQUID MATERIAL NOI

DOT TECHNICAL NAME: NA

DOT HAZARD CLASS: NA HAZARD SUBCLASS: NA

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

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 SECTION 15 - REGULATORY INFORMATION
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THE FOLLOWING COMPONENTS ARE NOT SUBJECT TO REPORTING IN SECTION 2:

----- CHEMICAL NAME -----	CAS NUMBER	WT/WT % IS LESS THAN
TITANIUM DIOXIDE	13463-67-7	5.0 %
IRON OXIDE	1309-37-1	1.0 %
SILICONE FLUID	UNKNOWN	1.0 %
WETTING AGENT	NO INFO	1.0 %
POLYSILOXANES	UNKNOWN	1.0 %
XYLENE, MIXED ISOMERS	1330-20-7	0.1 %
ETHYLBENZENE	100-41-4	0.1 %
METHOXY PROPANOL ACETATE	108-65-6	0.1 %
ANTI-FOAM POLYMERS/POLYSILOXANES	MIXTURE	0.1 %
N-BUTYL ACETATE	123-86-4	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

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
TITANIUM DIOXIDE	13463-67-7

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