

# MATERIAL SAFETY DATA SHEET

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NOTE: 16 SECTIONS

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## SECTION 1 – PRODUCT IDENTIFICATION

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PRODUCT NUMBER: TL1B

PRODUCT NAME: EPOXY TANK LINING CATALYST

PRODUCT CLASS: EPOXY COATING

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## SECTION 2 – HAZARDOUS INGREDIENTS

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INGREDIENT (CAS #)	PERCENT	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE
		TLV-TWA	OSHA-PEL	
(PROPRIETARY) POLYETHYLENEDIAMINE	15 %	N/E	N/E	NE
(PROPRIETARY) POLYAMINES	45 %	N/E	N/E	N/E
112-57-2 TETRAETHYLENEDIAMINE	7 %	N/E	N/E	> 0.1 @ 68° F
111-40-0 DIETHYLENEDIAMINE	< 5 %	1 ppm	N/E	0.37 @ 68° F

\* ARE LISTED ABOVE IS SUBJECT TO THE REPORTING REQUIREMENTS OF  
SECTION 313

\*\*\*\* NONE ARE LISTED AS A CARCINOGEN IN NTP, IARC OR BY OSHA \*\*\*\*

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### SECTION 3 – HAZARDS IDENTIFICATION

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ACUTE EXPOSURE:

SKIN: CORROSIVE, MAY CAUSE SKIN BURNING. HARMFUL IF ABSORBED THROUGH SKIN.

INHALATION: HARMFUL IF INHALED.

EYES: CORROSIVE. DIRECT CONTACT WITH EYES WILL CAUSE SEVERE BURNS AND MAY CAUSE PERMANENT DAMAGE.

INGESTION: HARMFUL IF SWALLOWED.

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

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### SECTION 4 – FIRST AID MEASURES

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FIRST AID PROCEDURES:

EYE CONTACT: FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. IMMEDIATELY TAKE TO A PHYSICIAN FOR MEDICAL TREATMENT.

SKIN CONTACT: WASH AFFECTED AREAS WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. CONSULT PHYSICIAN IF IRRITATION PERSISTS.

INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING, TREAT SYMPTOMATICALLY. CONSULT A PHYSICIAN.

INGESTION: DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. CONSULT PHYSICIAN OR POISON CONTROL IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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## SECTION 5 – FIRE FIGHTING MEASURES

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### FLAMMABILITY CLASSIFICATION:

OSHA: FP =&gt; 200° F

LEL: NE

COMBUSTIBLE LIQUID CLASS IIIB

FLASH POINT (TCC) &gt; 200° F

### EXTINGUISHING MEDIA:

FOAM: \_\_\_\_ ALCOHOL FOAM: \_\_\_\_ CO2: \_\_\_\_ WATER FOG: \_\_\_\_ OTHER: X

FIRE & EXPLOSION HAZARD DATA: KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS, ELECTRICAL EQUIPMENT, AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

FIRE FIGHTING PROCEDURES: WARNING COMBUSTIBLE. CLEAR FIRE AREA OF UNPROTECTED PERSONNEL. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES AND RUBBER BOOTS) INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

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## SECTION 6 – ACCIDENTAL RELEASE MEASURES

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: COMBUSTIBLE! ELIMINATE ALL IGNITION SOURCES. WEAR APPROPRIATE RESPIRATOR AND PROTECTIVE CLOTHING.

WASTE DISPOSAL METHOD: IN CASE OF SPILLAGE, ABSORB WITH INERT MATERIAL AND DISPOSE OF IN ACCORDANCE WITH APPLICABLE REGULATION

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## SECTION 7 – HANDLING AND STORAGE

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HANDLING AND STORAGE: KEEP CONTAINER CLOSED, UPRIGHT WHEN NOT IN USE. STORE IN COOL, DRY, WELL-VENTILATED AREA. AVOID PROLONGED STORAGE TEMPERATURES ABOVE 100° F. USE CAUTION WHEN POURING. AVOID BREATHING SANDING DUST. DO NOT WELD OR FLAME CUT ON EMPTY CONTAINER.

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## SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

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RESPIRATORY PROTECTION: WEAR AN APPROPRIATE PROPERLY FITTED RESPIRATOR (NIOSH/OSHA APPROVED) DURING AND AFTER APPLICATION. IN CONFINED OR RESTRICTED VENTILATION AREAS USE AIRLINE RESPIRATORS OR HOODS. REFER TO APPROPRIATE REGULATIONS REGARDING RESPIRATORY PROTECTION.

VENTILATION: USE WITH ADEQUATE VENTILATION. DO NOT BREATHE VAPORS OR SPRAY MIST.

PROTECTIVE GLOVES AND CLOTHING: DEPENDENT ON APPLICATION METHOD, WEAR RESISTANT COVERALLS, GLOVES AND SHOE COVERINGS TO PREVENT SKIN CONTACT. WEAR SOLVENT RESISTANT WITH SPLASHGUARDS OR FACE SHIELD TO PROTECT EYES FROM SPLASH, SPATTER AND/OR SPRAY MIST. USE EXPLOSION AND SPARK-PROOF EQUIPMENT. CONSULT APPROPRIATE REGULATIONS REGARDING PROTECTIVE CLOTHING, GLASSES, AND GLOVES. USE NEOPRENE GLOVES IF CONTACT IS LIKELY

EYE PROTECTION: USE CHEMICAL SAFETY GOGGLES WITH SPLASH SHIELDS.

HYGIENIC PRACTICES: WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING, SMOKING, OR USING THE TOILET. LAUNDRY CONTAMINATED CLOTHING BEFORE USE. DESTROY CONTAMINATED LEATHER AND ABSORBENT SHOES, WHICH CANNOT BE DECONTAMINATED TO PREVENT REUSE. NON-STATIC CREATING CLOTHING AND CONDUCTIVE SHOES SHOULD BE WORN.

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## SECTION 9 – PHYSICAL AND CHEMICAL DATA

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BOILING RANGE: > 323° F WT./GALLON 10.06 ± 0.2 #/GAL

EVAPORATION RATE:  
FASTER: \_\_\_\_\_ SLOWER: XX THAN ETHER

% VOLATILE VOLUME: 0 %

VAPOR DENSITY:  
HEAVIER: XX LIGHTER: \_\_\_\_\_ THAN AIR

EPA MIXED VOC: 0 LB/GAL WITH TL1A

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## SECTION 10 – STABILITY AND REACTIVITY DATA

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STABILITY: THIS PRODUCT IS STABLE UNDER NORMAL STORAGE CONDITIONS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR UNDER NORMAL STORAGE CONDITIONS.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE

CONDITIONS TO AVOID: HEAT, SPARKS, FLAME AND CONTACT WITH STRONG OXIDIZING AGENTS, STRONG ACIDS AND ALKALI.

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS, ACIDS, AND ALKALIES.

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## SECTION 11 – TOXICOLOGICAL PROPERTIES

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NO INFORMATION AVAILABLE

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## SECTION 12 – ECOLOGICAL INFORMATION

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NO INFORMATION AVAILABLE

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## SECTION 13 – DISPOSAL CONSIDERATIONS

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EPA WASTE NO.: NONE

DISPOSAL METHOD: PLACE IN SEPARATE, APPROPRIATE, CLOSED CONTAINER IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS. THIS MATERIAL HAS NOT BEEN TESTED BY TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP.)

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**SECTION 14 – TRANSPORTATION INFORMATION**

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DOT PROPER SHIPPING NAME: PAINT RELATED MATERIAL

DOT HAZARD CLASS: 8

HAZARD SUBCLASS: NA

DOT UN/N NUMBER: UN3066

PACKING GROUP: III

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**SECTION 15 – REGULATORY INFORMATION**

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**U.S. FEDERAL REGULATIONS:**

OSHA: HAZARDOUS BY DEFINITION OF HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

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**INTERNATIONAL REGULATIONS:**

CANADIAN WHMIS: THIS MSDS HAS BEEN PREPARED IN COMPLIANCE WITH CONTROLLED PRODUCT REGULATIONS EXCEPT THAT 16 SECTIONS WERE USED RATHER THAN THE 9 SECTIONS LISTED. CANADIAN WHMIS CLASS: NO INFORMATION AVAILABLE.

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**SECTION 16 – OTHER INFORMATION -- NONE**

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HMIS: HEALTH: 2      FLAMMABILITY: 1      REACTIVITY: 1

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