

**TECH LINE COATINGS, INC.**

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**MATERIAL SAFETY DATA SHEET****SECTION I****COMMON NAME(S):** Turbo X Blue, TXBL**CHEMICAL NAME(S) AND SYNONYM(S):** INDUSTRIAL COATING**CHEMICAL FAMILY:** N/A**FORMULA:** Complex Mixture**EMERGENCY PHONE:** (Chemtrec) 1-800-424-9300**INFORMATION PHONE:** 951-304-0498**DATE PREPARED:** 6/27/2003 (Update)**SECTION II****HAZARDOUS INGREDIENTS**

<b>COMPONENT</b>	<b>CAS#</b>	<b>CONCENTRATIONS</b>
XYLENE ACGIH TLV: 100 PPM OSHA PEL: 100 PPM	1330-20-7	>10% (TECHNICAL GRADE XYLENE CONTAINS 18-20% ETHYL BENZENE CAS# 100-41-4 AND IS SUBJECT TO REPORTING REQUIREMENTS SARA TITLE III)
CRYSTALLINE SILICA ACGIH TLV: .1 mg/m3 OSHA PEL: .1 mg/m3	14808-60-7	>1%
ISOBUTYL ALCOHOL ACGIH TLV: 50 PPM OSHA PEL: 500 PPM	78-83-1	>5%
METHANOL ACGIH TLV: 50 PPM OSHA PEL: 500 PPM	67-56-1	<1%
MOLYBDENUM DISULFIDE ACGIH TLV: 10 mg/m3 OSHA PEL: 10 mg/m3	1317-33-5	<10%
COBALT ALUMINATE BLUE SPINEL Cobalt metal, dust and fumes (as Co ) OSHA PEL: .05 MG/M3 ACGIH TLV: .02 MG/M3 SARA TITLE 313: YES	1345-16-0	>15%

NOTE: XYLENE IS CONSIDERED BY SOME AUTHORITIES TO BE A CARCINOGEN

**SECTION III****PHYSICAL CHARACTERISTICS****FLASH POINT:** 76F**BOILING POINT:** 172-355 F.**VAPOR DENSITY ( AIR = 1 ) :** <1**VAPOR PRESSURE:** NOT ESTABLISHED**MELTING POINT:** NOT APPLICABLE**APPEARANCE AND ODOR:** COLORED LIQUID/SOLVENT SMELL**SOLUBILITY IN WATER:** POOR**REACTIVITY IN WATER:** NONE**VOC'S:** 750 GRAMS/L**SHIPPING:** Class 3, Flammable Liquid UN1263, Packing Group III**SECTION IV****FIRE AND EXPLOSION HAZARD DATA****FLASH POINT:** 76 F.**FLAMMABLE LIMITS:**

LEL- NOT ESTABLISHED

UEL- NOT ESTABLISHED

**DOT:** FLAMMABLE LIQUID  
**EXTINGUISHING MEDIA:** FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL

**SPECIAL FIRE FIGHTING PROCEDURES:** USE FULL PROTECTIVE EQUIPMENT, INCLUDING SELF CONTAINED BREATHING APPARATUS

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** DURING EMERGENCY CONDITIONS, OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT. OBTAIN MEDICAL ATTENTION

**SECTION V**  
**REACTIVITY DATA**

**STABILITY:** STABLE  
**INCOMPATIBILITY (MATERIALS TO AVOID) :** CONTACT WITH STRONG OXIDIZING AGENTS, ACIDS OR BASES

**HAZARDOUS DECOMPOSITION PRODUCTS:** CARBON MONOXIDE AND UNIDENTIFIED ORGANICS MAY BE FORMED

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

**CONDITIONS TO AVOID:** NONE

**SECTION VI**  
**HEALTH HAZARD DATA**

**ROUTES OF ENTRY:**  
INHALATION? YES  
SKIN? YES  
INGESTION? YES

**TOXICITY (ACUTE AND CHRONIC)**

METHANOL (CAS# 67-56-1 ) IS A SKIN, EYE AND INHALATION IRRITANT. IT IS TOXIC ORALLY AND POSSESSES NARCOTIC PROPERTIES. TOXIC EFFECTS MANIFESTED IN THE CENTRAL NERVOUS SYSTEM AND PARTICULARLY IN THE OPTIC NERVE. METHANOL IS A CUMULATIVE POISON. SEVERE EXPOSURE TO METHANOL CAN CAUSE DIZZINESS, UNCONSCIOUSNESS, SIGNING RESPIRATION, CARDIAC DEPRESSION AND EVENTUAL DEATH. LESS SEVERE EXPOSURE TO METHANOL CAN CAUSE BLURRING OF VISION, PHOTOPHOBIA, CONJUNCTIVITIS, EYE LESIONS, HEADACHE, GASTROINTESTINAL DISTURBANCES, DIZZINESS AND A FEELING OF INTOXICATION. DEATH FROM INGESTION OF LESS THAN 30ml HAS BEEN REPORTED. USUAL FATAL DOSE IS 100-250 ml. CARCINOGENICITY: NTP-NO IARC-NO OSHA-NO

MOLYBDENUM COMPOUNDS MAY BE SLIGHTLY IRRITATING.  
CARCINOGENICITY: NPT-NO IARC-NO OSHA-NO

CHRONIC OVEREXPOSURE TO XYLENE (CAS# 1330-20-7 ) HAS BEEN SUGGESTED TO CAUSE CARDIAC ABNORMALITIES IN HUMANS.

**HEALTH HAZARDS:**

EYES: SEVERE IRRITATION, REDNESS, TEARING AND BLURRED VISION  
SKIN: PROLONGED OR REPEATED CONTACT CAN CAUSE MODERATE IRRITATION, DEFATTING AND DERMATITIS  
INHALATION: EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, HEADACHE, POSSIBLE UNCONSCIOUSNESS, DEATH  
INGESTION: CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA. ASPIRATION OF THE MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL

**EMERGENCY AND FIRST AID:**

EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER, CALL A PHYSICIAN  
( FLUSH FOR AT LEAST 15 MIN., INCLUDING UNDER EYELIDS )  
SKIN: WASH WITH WATER. REMOVE CONTAMINATED CLOTHING IF IRRITATION OCCURS GET MEDICAL ATTENTION

**INHALATION:** REMOVE INDIVIDUAL TO FRESH AIR. ADMINISTER OXYGEN IF BREATHING IS DIFFICULT. CALL A PHYSICIAN

**INGESTION:** CALL A PHYSICIAN IMMEDIATELY. ONLY INDUCE VOMITING AT THE INSTRUCTION OF A PHYSICIAN

\* INTENTIONAL MISUSE BY DELIBERATE CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL

**SECTION VII**  
**SPILL OR LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** CLEAN SPILL WITH ABSORBENT MATERIAL, ELIMINATE IGNITION SOURCES, WEAR PROTECTIVE GLOVES, GOGGLES AND MASK

**WASTE DISPOSAL METHOD:** DISPOSAL SHOULD BE MADE IN ACCORD WITH FEDERAL, STATE AND LOCAL REGULATIONS.

**OTHER PRECAUTIONS:** CONTACT LENSES POSE A SPECIAL HAZARD; SOFT LENSES MAY ABSORB ALL LENSES CONCENTRATE

IRRITANTS

**SECTION VIII**

**SPECIAL PROTECTION / CONTROL MEASURES:**

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**RESPIRATORY PROTECTION:** USE NIOSH APPROVED RESPIRATOR IF TWA/TLV LIMITS ARE EXCEEDED

**VENTILATION:**

LOCAL EXHAUST: USE TO MAINTAIN BELOW TWA LIMITS

MECHANICAL: USE NON-SPARKING EQUIPMENT

**PROTECTIVE GLOVES:** CHEMICAL RESISTANT

**EYE PROTECTION:** SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES

**OTHER PROTECTIVE EQUIPMENT:** WEAR PROTECTIVE CLOTHING, CHEMICAL RESISTANT OR OTHER PROTECTIVE OUTERWEAR, AVOID CONTACT WITH SKIN OR EYES

**WORK / HYGIENIC PRACTICES:** WASH THOROUGHLY AFTER HANDLING PRODUCT AND BEFORE EATING, DRINKING OR SMOKING

**SECTION IX**

**SPECIAL PRECAUTIONS**

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**HANDLING AND STORAGE:** STORE IN A COOL DRY PLACE, SUITABLE FOR OSHA CLASS 1 FLAMMABLE LIQUIDS

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