

TECH LINE COATINGS, INC.



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MATERIAL SAFETY DATA SHEET

SECTION I

COMMON NAME(S): DFL-1

CHEMICAL NAME(S) AND SYNONYM(S): BONDED SOLID FILM LUBRICANT

CHEMICAL FAMILY: SILIC ACID

FORMULA: WATER BASED INORGANIC COATING

EMERGENCY PHONE: (Chemtrec) 1-800-424-9300

INFORMATION PHONE: 1-951-304-0498

DATE PREPARED: 9/25/97

SECTION II

HAZARDOUS INGREDIENTS

<u>COMPONENT</u>	<u>CAS#</u>	<u>CONCENTRATIONS</u>
SILIC ACID ACGIH TLV: N/A OSHA PEL: N/A	1312-76-1	TRADE SECRET
MOLYBDENUM DISULFIDE ACGIH TLV: 10 mg/m ³ OSHA PEL: 10 mg/m ³	1317-33-5	<10%
RESIN ACGIH TLV: .N/A OSHA PEL: N/A	TRADE SECRET	

(All hazardous materials in resin are declared)

SECTION III

PHYSICAL CHARACTERISTICS

BOILING POINT: 212F..

VAPOR DENSITY (AIR = 1) : <1

VAPOR PRESSURE: NOT AVAILABLE

MELTING POINT: NOT AVAILABLE

APPEARANCE AND ODOR: GRAY LIQUID NO ODOR

SOLUBILITY IN WATER: APPRECIABLE

REACTIVITY IN WATER: NOT AVAILABLE

VOC'S: 0

SECTION IV

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NONE

FLAMMABLE LIMITS: NOT APPLICABLE

LEL-

UEL-

DOT: NO LABELING REQUIRED

EXTINGUISHING MEDIA: SAND OR CARBON DIOXIDE

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

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

SECTION V
REACTIVITY DATA

STABILITY: STABLE

INCOMPATIBILITY (MATERIALS TO AVOID) : NONE

HAZARDOUS DECOMPOSITION PRODUCTS: IRRITATING AND/OR TOXIC FUMES INCLUDING SULFUR.

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)

MOLYBDENUM COMPOUNDS MAY BE SLIGHTLY IRRITATING.

CARCINOGENICITY: NPT-NO IARC-NO OSHA-NO

HEALTH HAZARDS:

EYES: IRRITATION, REDNESS, TEARING AND BLURRED VISION

SKIN: PROLONGED OR REPEATED CONTACT CAN CAUSE IRRITATION, DERMATITIS

INHALATION: EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, FATIGUE, NAUSEA, HEADACHE, POSSIBLE UNCONSCIOUSNESS, DEATH

INGESTION: CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, LIVER, KIDNEY AND DERMAL AILMENTS

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 SOAP AND 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. DO NOT INDUCE VOMITING , KEEP WARM

* 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, WEAR PROTECTIVE GLOVES, GOGGLES AND MASK IF TWA'S ARE EXCEEDED

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

REGULATIONS.

OTHER PRECAUTIONS: NONE

SECTION VIII

SPECIAL PROTECTION / CONTROL MEASURES:

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

HANDLING AND STORAGE: STORE IN A COOL DRY PLACE, KEEP FROM FREEZING

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