

# TECH LINE COATINGS, INC.



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## MATERIAL SAFETY DATA SHEET

### SECTION I

COMMON NAME(S): MCXLH

CHEMICAL NAME(S) AND SYNONYM(S): ALUMINUM FILLED METALLIC CERAMIC COATING

CHEMICAL FAMILY: Not Applicable

FORMULA: Complex Mixture

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

INFORMATION PHONE: 951-304-0498

DATE PREPARED: 8/13/2003 (update)

### SECTION II

HAZARDOUS INGREDIENTS	CAS#	CONCENTRATIONS
ALUMINUM POWDER ACGIH TLV: 10mg/M3	7429-90-5	>25%
PHOSPHATE/CHROMATE SOLUTION (Less than 2.5 % total weight is CrO3 CAS #1333-82-0) ACGIH TLV: 1mg/M3	92203-02-6	<15%
WATER	7732-18-5	>40%

NOTE: The National Toxicology program lists chromium and certain chromium compounds to be carcinogenic.

### SECTION III

PHYSICAL CHARACTERISTICS \_\_\_\_\_

BOILING POINT: N/A

VAPOR DENSITY (AIR = 1): >1

% VOLATILE VOLUME: 40% (Water)

APPEARANCE AND ODOR: GRAY GREEN WITH NO ODOR

SOLUBILITY IN WATER: APPRECIABLE

VOC'S: 0

SHIPPING: NON-HAZARDOUS

### SECTION IV

FIRE AND EXPLOSION HAZARD DATA \_\_\_\_\_

FLASH POINT: NONE

EXTINGUISHING MEDIA: USE SAND OR CARBON DIOXIDE

SPECIAL FIRE FIGHTING PROCEDURES: DO NOT USE EXTINGUISHING AGENTS CONTAINING WATER, AS REACTION WITH ALUMINUM MAY PRODUCE HYDROGEN GAS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: CONTACT WITH ALKALIS, STRONG REDUCING OR OXIDIZING AGENT MAY PRODUCE HYDROGEN GAS, CAUSING FIRE OR EXPLOSION HAZARD.

### SECTION V

REACTIVITY DATA

STABILITY: STABLE

INCOMPATIBILITY (MATERIALS TO AVOID): CONTACT WITH OXIDIZING AGENTS, ALKALIS OR STRONG REDUCING AGENTS

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

### SECTION VI

HEALTH HAZARD DATA \_\_\_\_\_

ROUTES OF ENTRY:

INHALATION? YES

SKIN? YES

INGESTION? YES

CARCINOGENICITY:

NTP, OSHA? CHROMIUM AND CERTAIN CHROMIUM COMPOUNDS ARE LISTED

**HEALTH HAZARDS:**

EYES: CAUSES SEVERE IRRITATION  
SKIN: CAUSES MILD SKIN IRRITATION, DRYING OF SKIN  
INHALATION: MAY CAUSE DRYING OF NASAL AND RESPIRATORY TISSUE  
INGESTION: HARMFUL IF SWALLOWED, CAUSING VOMITING, NAUSEA, DIARRHEA

**EMERGENCY AND FIRST AID:**

EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER, CALL A PHYSICIAN  
SKIN: WASH WITH WATER. REMOVE CONTAMINATED CLOTHING  
INHALATION: REMOVE INDIVIDUAL TO FRESH AIR. ADMINISTER OXYGEN IF BREATHING IS DIFFICULT. CALL A PHYSICIAN  
INGESTION: GIVE LARGE AMOUNTS OF WATER FOLLOWED BY MILK OF MAGNESIA. CALL A PHYSICIAN IMMEDIATELY

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: RESPIRATORY, DERMAL AILMENTS

**SECTION VII**

SPILL OR LEAK PROCEDURES \_\_\_\_\_

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: CLEAN SPILL WITH ABSORBENT MATERIAL. NEUTRALIZE WITH SODIUM BICARBONATE. DO NOT USE STRONG ALKALIS. FLUSH AREA WITH WATER  
WASTE DISPOSAL METHOD: MATERIAL MAY BE BAKED AT CURE TEMPERATURE THEN DISCARDED AS SOLID WASTE, OR FILTER TO REMOVE ALUMINUM AND DISCARD AS SOLID WASTE. TREAT REMAINING LIQUID WITH SODIUM METABISULFITE, THEN PRECIPITATE TRIVALENT CHROMIUM BY NEUTRALIZING WITH ALKALI, SUCH AS LIME. DISPOSAL SHOULD BE MADE IN ACCORD WITH FEDERAL, STATE AND LOCAL REGULATIONS.

**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  
MECHINICAL: USE NON-SPARKING EQUIPMENT

PROTECTIVE GLOVES: RUBBER ACID PROOF

EYE PROTECTION: SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES

OTHER PROTECTIVE EQUIPMENT: WEAR PROTECTIVE CLOTHING, ACID PROOF

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

**SECTION IX**

SPECIAL PRECAUTIONS \_\_\_\_\_

HANDLING AND STORAGE: STORE IN AREAS THAT WILL NOT COME INCONTACT WITH STRONG ALKALIS OR OXIDIZING AGENTS.

NOTE: Since this compound contains aluminum powder, a clean spray area and duct system are important. It is hazardous to allow an accumulation of dried material to occur since this dried material in the form of duct could be ignited by sparks or other means and possibly cause a dust explosion as with any finely divided powdered material.

**REGULATORY INFORMATION**

U.S. FEDERAL REGULATIONS:

THIS PRODUCT CONTAINS A TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR 372. SEE SECTION 2, LIST LEGEND 02.

OSHA STANDARD 29 CFR 1910.1200 REQUIRES THAT INFORMATION BE PROVIDED TO EMPLOYEES REGARDING THE HAZARDS OF CHEMICALS BY MEANS OF A HAZARD COMMUNICATION PROGRAM INCLUDING LABELING, MATERIAL SAFETY DATA SHEETS, TRAINING AND ACCESS TO WRITTEN RECORDS. WE REQUEST THAT YOU, AND IT IS YOUR LEGAL DUTY TO, MAKE ALL INFORMATION IN THIS MATERIAL SAFETY DATA SHEET AVAILABLE TO YOUR EMPLOYEES.

TO AID OUR CUSTOMERS IN COMPLYING WITH REGULATORY REQUIREMENTS, SARA TITLE III HAZARD CATEGORIES FOR THIS PRODUCT ARE INDICATED BELOW. IF THE WORD "YES" APPEARS NEXT TO ANY CATEGORY, THIS PRODUCT MAY BE REPORTABLE BY YOU UNDER THE REQUIREMENTS OF 40. CFR. 370. PLEASE CONSULT THOSE REGULATIONS FOR DETAILS.

**CHROMIC ACID**

TSCA:

ALL COMPONENTS OF THIS PRODUCT THAT ARE REQUIRED TO BE ON THE TSCA INVENTORY ARE LISTED ON THE INVENTORY.

SARA/TITLE III HAZARD CATEGORIES:

IMMEDIATE (ACUTE) HEALTH: YES REACTIVE HAZARD NO  
DELAYED (CHRONIC) HEALTH: YES SUDDEN RELEASE OF PRESSURE NO

FIRE HAZARD: YES

HMS HAZARD RATINGS:

HEALTH HAZARD: 3\* FIRE HAZARD: 0 REACTIVITY: 1

WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

INTERNATIONAL REGULATIONS:  
CONSULT THE REGULATIONS OF THE IMPROTING COUNTRY.

CANADA:  
WHMIS HAZARD CLASS: C, D1A, D2A, E

**PHOSPHORIC ACID**

(THIS PRODUCT) IS A TOXIC CHEMICAL SUBJECT TO THE REPORTING REQUIREMENTS OF SECT. 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372. THIS INFORMATION MUST BE INCLUDED IN ALL MSDS'S THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL.  
CONSULT LOCAL LAWS FOR APPLICABILITY.

STATE OF CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986  
(PROPOSITION 65) :

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