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MATERIAL SAFETY DATA SHEET

SECTION I

COMMON NAME(S): Prevcor, PCI  
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: 972-775-6130  
DATE PREPARED: 8/3/2007

SECTION II

HAZARDOUS INGREDIENTS	CAS#	CONCENTRATIONS
ALUMINUM POWDER ACGIH TLV: 10mg/M3	7429-90-5	<25%
PHOSPHATE/CHROMATE SOLUTION (Less than 2 % total weight is CrO3 CAS #1333-82-0) ACGIH TLV: 1mg/M3	92203-02-6	>8%

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: >55% (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: #9910 RESPIRATOR MANUFACTURED BY 3M OR EQUIVALENT 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 dust could be ignited by sparks or other means and possibly cause a dust explosion as with any finely divided powdered material.

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