

**SECTION 1: PRODUCT INFORMATION** CODE: 7011, 7012, 7013, 7014

**MANUFACTURER'S NAME / ADDRESS**

**CROSSFIELD PRODUCTS CORP.**  
 3000 E. HARCOURT ST.  
 RANCHO DOMINGUEZ, CA 90221  
 (310) 886-9100 (8:00a.m. to 5:00p.m. pacific time)  
 140 VALLEY RD.  
 ROSELLE PARK, NJ 07204  
 (908) 245-2800 (8:00 a.m. to 5:00 p.m. eastern time)  
 (800) 424-9300 (CHEMTREC)

**TRADE NAME:** MIRACOTE DRY MIX  
**CHEMICAL FAMILY:** DRY BUILDING MORTAR  
**INTENDED USE:** DECK COVERING BODYCOAT  
**WHMIS CLASSIFICATION:** D-2B

**INITIAL ISSUE DATE:** SEPTEMBER 27, 2002 **REVISION DATE:** APRIL 20, 2004 **PREPARED BY:** J.W.ESSIG

**SECTION 2: HAZARDOUS INGREDIENTS**

<b>INGREDIENTS</b>	<b>Wt. %</b>	<b>CAS Number</b>
FUSED CALCIUM ALUMINATE	3-7	065997-16-2
PORTLAND CEMENT	7-15	065997-15-1
LIMESTONE	40-70	001317-65-3

**EXPOSURE LIMITS (ppm)**

<b>INGREDIENTS (CAS)</b>	<b>OSHA</b>		<b>ACGIH</b>		<b>OTHER</b>
	<b>TWA</b>	<b>STEL</b>	<b>TWA</b>	<b>STEL</b>	
065997-16-2	5mg/m <sup>3</sup>	ND	5mg/m <sup>3</sup>	ND	Respirable Dust
065997-15-1	10mg/m <sup>3</sup>	ND	10mg/m <sup>3</sup>	ND	Total Dust
001317-65-3	15mg/m <sup>3</sup>	ND	10mg/m <sup>3</sup>	ND	Total Dust

**LEGEND:** (M) MAX. EXPOSURE LIMIT; (S) OCCUPATIONAL EXP. LIMIT; (R) SUPPLIERS REC. LIMIT, (+) PERCUTANEOUS RISK  
 VOC: COMPONENT = 0 grams/liter (CARB) AS APPLIED: 0 grams/liter (CARB)

**SECTION 3: PHYSICAL DATA**

**BOILING POINT:** 2230°C (4046°F) **SPECIFIC GRAVITY:** 2.45  
**VAPOR PRESSURE:** NONE **MELTING POINT:** ND  
**VAPOR DENSITY:** NA **EVAPORATION RATE:** NA  
 (AIR = 1) (BUTYL ACETATE = 1)  
**SOLUBILITY IN WATER:** VERY SLIGHT **pH (In Water):** 8-11.5  
**COEFFICIENT of WATER/OIL DISTRIBUTION:** ND  
**APPEARANCE AND ODOR:** GRAY OR WHITE COLORED, GRANULAR POWDER. NO DISTINCT ODOR.  
**ODOR THRESHOLD:** ND

**SECTION 4: FIRE AND EXPLOSION HAZARD**

**FLASH POINT:** NONE  
**CONDITIONS OF FLAMMABILITY:** NA  
**FLAMMABLE LIMITS:** **LEL:** NA **UEL:** NA  
**OSHA CLASS:** NA  
**AUTO IGNITION TEMP:** NONE  
**HAZARDOUS COMBUSTION PRODUCTS:** NONE  
**SENSITIVITY TO IMPACT:** NONE  
**SENSITIVITY TO STATIC DISCHARGE:** NA  
**EXTINGUISHNG MEDIA:** NA  
**SPECIAL FIRE FIGHTING PROCEDURES:** NOT IGNITABLE  
**UNUSUAL FIRE AND EXPLOSIVE HAZARDS:** NA

(NA= NOT APPLICABLE) (NE=NOT ESTABLISHED)  
 (ND= NO DATA)

SECTION 5: HEALTH HAZARD DATA

**PRIMARY ROUTES OF ENTRY:** INHALATION, SKIN CONTACT, EYE CONTACT

**HEALTH HAZARDS (ACUTE AND CHRONIC EXPOSURES)**

EYES: ACUTE – DUST MAY CAUSE IRRITATION OR INFLAMMATION. ABRASIVE TO EYES.  
CHRONIC – REPEATED CONTACT MAY CAUSE CHEMICAL BURNS RESULTING IN CORNEAL DAMAGE.  
SKIN CONTACT: ACUTE – IRRITATION/DISCOMFORT MAY OCCUR.  
CHRONIC – (CAUSTIC) CHEMICAL BURNS CAN OCCUR.  
SKIN ABSORPTION: ACUTE -- ND  
CHRONIC -- ND  
INHALATION: ACUTE – MILD & TEMPORARY DISCOMFORT TO RESPIRATORY TRACT.  
CHRONIC – PERSISTENT COUGH. SHORTNESS OF BREATH.  
INGESTION: ACUTE -- ND  
CHRONIC -- ND

**CONDITIONS AGGRAVATED BY EXPOSURE:** PRE-EXISTING UPPER RESPIRATORY AND LUNG DISEASES (BRONCHITIS, ASTHMA, EMPHYSEMA).

**CARCINOGENIC DATA:** NTP: NO OSHA: NO IARC: NO  
TERATOGENICITY: ND MUTAGENICITY: ND  
EMBRYOTOXICITY: ND SYNERGISTIC MATERIAL: ND

**OVEREXPOSURE EFFECTS:** WET CEMENT CAN CAUSE ALKALI BURNS AND DRY THE SKIN. DUST MAY CAUSE EYE AND NOSE INFLAMMATION

IRRITANCY: YES  
SENSITIZER: NO

**EMERGENCY AND FIRST AID PROCEDURES:**

GENERAL: IN DRY FORM THE POWDER POSES LITTLE IMMEDIATE HAZARD. EXPOSURE OF SUFFICIENT DURATION TO WET MATERIAL CAN CAUSE TISSUE DAMAGE.  
EYES: FLUSH WITH WATER FOR 15 MINUTES. AVOID RUBBING. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.  
SKIN: WASH WITH MILD SOAP AND WATER. SEEK MEDICAL TREATMENT WITH LONG EXPOSURES TO WET PRODUCT.  
INHALATION: REMOVE AFFECTED PERSON TO FRESH AIR. SEEK MEDICAL ATTENTION IF COUGHING OR OTHER SYMPTOMS DO NOT SUBSIDE.  
INGESTION: GIVE 3 – 4 GLASSES OF WATER. **DO NOT INDUCE VOMITING.** GET MEDICAL ATTENTION.  
**ACUTE TOXICITY EFFECTS:** NO DATA.

SECTION 6: REACTIVITY DATA

**STABILITY:** STABLE

**CONDITIONS TO AVOID:** NONE

**INCOMPATIBILITY (MATERIAL TO AVOID):** VERY STRONG OXIDIZING AGENTS MAY CAUSE FIRES. AVOID ACIDS AND AMMONIUM SALTS.

**HAZARDOUS DECOMPOSITION PRODUCTS:** WATER PRODUCES HYDRATION AND FORMATION OF CAUSTIC CALCIUM HYDROXIDE.

**HAZARDOUS POLYMERIZATION (REACTIVITY):** WILL NOT OCCUR.

SECTION 7: SPILL OR LEAK PROCEDURES

**STEPS TO BE TAKEN IN CASE OF MATERIAL IS RELEASED OR SPILLED:** USE DUSTLESS METHODS (VACUUM) AND PLACE IN CLOSABLE CONTAINERS FOR DISPOSAL. SCRAPE UP WET MATERIAL AND PLACE IN CONTAINERS. ALLOW TO DRY BEFORE DISPOSAL. WEAR PROTECTIVE EQUIPMENT AS SHOWN IN SECTION 8.

**WASTE DISPOSAL METHODS:** DISPOSE IN ACCORDANCE WITH LOCAL, STATE & FEDERAL REGULATIONS.

**ECOLOGICAL INFORMATION:**

**ECOTOXICITY:** NO RECOGNIZED UNUSUAL TOXICITY TO PLANTS OR ANIMALS.

SECTION 8: SPECIAL PROTECTION INFORMATION

**ENGINEERING CONTROLS:** LOCAL OR GENERAL EXHAUST AS NEEDED.

**RESPIRATORY PROTECTION:** AS REQUIRED. NIOSH-MSHA APPROVED RESPIRATORS (PAPER DISPOSABLE; ½ OR FULL FACE PIECE AIR PURIFYING; SUPPLIED AIR – DEPENDENT UPON PEL LEVELS).

<5X PEL --- ANY DUST RESPIRATOR.

5<10X PEL – ANY DUST RESPIRATOR (EXCEPT SINGLE USE OR ¼ MASK). ANY FUME OR HIGH EFFICIENCY PARTICULATE FILTER RESPIRATOR.

10<50X PEL – HIGH EFFICIENCY PARTICULATE FILTER RESPIRATOR WITH FULL FACEPIECE.

50<500X PEL – POWERED AIR-PURIFYING RESPIRATOR WITH PARTICULATE FILTER.

>500X PEL --- SELF-CONTAINED BREATHING APPARATUS.

**PROTECTIVE GLOVES:** NITRILE RUBBER. (DO NOT RELY ON BARRIER CREAMS.)

**EYE PROTECTION:** GOGGLES (IF DUSTY) OR SAFETY GLASSES WITH SIDE SHIELDS.

**OTHER PROTECTIVE EQUIPMENT:** LONG SLEEVED SHIRTS AND PANTS. WHERE PROLONGED EXPOSURE TO UNHARDENED PRODUCT MAY OCCUR, WEAR IMPERVIOUS CLOTHING.

SECTION 9: HANDLING & STORAGE

**GENERAL:** STORE IN COOL, DRY SPACES. HANDLE IN MANNERS WHICH PREVENT DUST.

SECTION 10: SUPPLEMENTAL INFORMATION

**HMIS RATING**                      **HEALTH 1**                      **FLAMMABILITY 0**                      **REACTIVITY 0**

**DOT PROPER SHIPPING NAME:** DRY BUILDING MORTAR, NOT REGULATED.

**HAZARD CLASS:** NA

**UN NUMBER:** NA

**PACKING GROUP:** NA

**IMO SHIPPING DATA:** NOT REGULATED.

**ICAO/IATA SHIPPING DATA:** NOT REGULATED.

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** ALL COMPONENTS ARE ON THE TSCA SUBSTANCE LIST.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION and LIABILITY ACT):** ND

**SARA TITLE III**

SECTION 312 HAZARD CLASS: HAZARDOUS SUBSTANCE WITH DELAYED HEALTH EFFECTS

SECTION 313 LISTED INGREDIENTS: NONE

**CALIFORNIA PROPOSITION 65:** The below list of compounds is known to the State of California to cause cancer, birth defects or other reproductive harm: NONE

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