

SECTION 1: PRODUCT INFORMATION

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: N-38 GROUT POWDER, EXTRA FINE
CHEMICAL FAMILY: MODIFIED CEMENT MORTAR
INTENDED USE: DECK COVERING POLYMER ADMIX
WHMIS CLASSIFICATION: NA

INITIAL ISSUE DATE: FEBRUARY 25,2000 REVIEWED: MARCH 12,2003 PREPARED BY: R. L. MEYER

SECTION 2: HAZARDOUS INGREDIENTS

INGREDIENTS	Wt. %	CAS Number
SILICON DIOXIDE	40-70	014808-60-7
FUSED CALCIUM ALUMINATE	30-60	065997-16-2
ZINC OXIDE	0.1-1.0	001314-13-2
PHENOL, 4-METHYL-, REACTION PRODUCTS WITH DICYCLOPENTADIENE & ISO BUTYLENE	0.1-1.0	068610-51-5

EXPOSURE LIMITS (ppm)

INGREDIENTS (CAS)	OSHA		ACGIH		OTHER
	TWA	STEL	TWA	STEL	
014808-60-7	$\frac{10\text{mg}/\text{m}^3}{\% \text{SiO}_2 + 2}$	ND	0.1mg/m ³	ND	
065997-16-2	5mg/m ³	ND	5mg/m ³	ND	Respirable Dust
001314-13-2	5mg/m ³	ND	5mg/m ³	10mg/m ³	Respirable Dust
068610-51-5	ND	ND	ND	ND	

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):** 9 -10
COEFFICIENT of WATER/OIL DISTRIBUTION: ND
APPEARANCE AND ODOR: CHARCOAL 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: YES OSHA: NO IARC: YES (2A)
TERATOGENICITY: ND MUTAGENICITY: ND
EMBRYOTOXICITY: ND SYNERGISTIC MATERIAL: ND

OVEREXPOSURE EFFECTS: REPEATED, PROLONGED INHALATION OF EXCESSIVE QUANTITIES OF QUARTZ DUST MAY RESULT IN DELAYED LUNG DISEASE (SILICOSIS).

IRRITANCY: YES
SENSITIZER: YES

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.

STABILITY: STABLE

SECTION 6: REACTIVITY DATA

CONDITIONS TO AVOID: NONE

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

HAZARDOUS DECOMPOSITION PRODUCTS: SILICON TETRAFLUORIDE, A CORROSIVE GAS, WHEN CONTACTED BY HYDROFLUORIC ACID. 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<10 PEL – ANY DUST RESPIRATOR (EXCEPT SINGLE USE OR ¼ MASK). ANY FUME OR HIGH EFFICIENCY PARTICULATE FILTER RESPIRATOR.

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

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

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

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

EYE PROTECTION: GOGGLES 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:

CAS # 001314-13-2

CALIFORNIA PROPOSITION 65: The below list of compounds is known to the State of California to cause cancer, birth defects or other reproductive harm:

CAS # 014808-60-7

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