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## 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.  
 ROSELIE PARK, NJ 07204  
 (908) 245-2800 (8:00 a.m. to 5:00 p.m. eastern time)  
 (800) 424-9300 (CHEMTREC)

**TRADE NAME:** MIRACOTE MEMBRANE 'A'  
**CHEMICAL FAMILY:** LATEX  
**INTENDED USE:** WATERPROOFING MEMBRANE  
**WHMIS CLASSIFICATION:** NA

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## SECTION 2: HAZARDOUS INGREDIENTS

INGREDIENTS	Wt. %	CAS Number
MODIFIED STYRENE-BUTADIENE COPOLYMER	40-70 %	PROPRIETARY

**EXPOSURE LIMITS (ppm)**

INGREDIENTS (CAS)	OSHA		ACGIH		OTHER
	TWA	STEL	TWA	STEL	
SBR COPOLYMER	NE	NE	NE	NE	

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

## SECTION 3: PHYSICAL DATA

**BOILING POINT:** >100<sup>o</sup> C (>212<sup>o</sup> F) **SPECIFIC GRAVITY:** 1.1  
**VAPOR PRESSURE:** ND **MELTING POINT:** ND  
**VAPOR DENSITY:** >1 **EVAPORATION RATE:** <1  
 (AIR = 1) (BUTYL ACETATE = 1)  
**SOLUBILITY IN WATER:** COMPLETE **pH:** 9-11  
**COEFFICIENT of WATER/OIL DISTRIBUTION:** ND  
**APPEARANCE AND ODOR:** COLORED PASTE WITH SWEET ODOR.  
**ODOR THRESHOLD:** ND

## SECTION 4: FIRE AND EXPLOSION HAZARD

**FLASH POINT:** NA  
**CONDITIONS OF FLAMMABILITY:** NA  
**FLAMMABLE LIMITS:** LEL: NA UEL: NA  
**OSHA CLASS:** NONE SHOWN  
**AUTO IGNITION TEMP.:** NA  
**HAZARDOUS COMBUSTION PRODUCTS:** HCl (gas), CO, CO<sub>2</sub>, ORGANIC ACIDS, ALDEHYDES  
**SENSITIVITY TO IMPACT:** NONE  
**SENSITIVITY TO STATIC DISCHARGE:** NONE  
**EXTINGUISHING MEDIA:** WATER, CO<sub>2</sub>, DRY CHEMICAL  
**SPECIAL FIRE FIGHTING PROCEDURES:** NONE LIKELY WITH SMALL QUANTITIES. FOR LARGE QUANTITIES, FIREFIGHTERS AND OTHERS EXPOSED TO VAPORS OR PRODUCTS OF COMBUSTION SHOULD WEAR BUTYL RUBBER BOOTS, GLOVES AND BODY SUIT. SELF-CONTAINED BREATHING APPARATUS SHOULD BE WORN.  
**UNUSUAL FIRE AND EXPLOSIVE HAZARDS:** SUBSTANTIAL QUANTITIES OF HYDROGEN CHLORIDE (TLV-5 ppm) ARE EVOLVED WHEN HEATED AT TEMPERATURES OF 392<sup>o</sup> F OR HIGHER.

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

**SECTION 5 : HEALTH HAZARD DATA****PRIMARY ROUTES OF ENTRY:** EYE CONTACT, SKIN CONTACT, INGESTION.**HEALTH HAZARDS (ACUTE AND CHRONIC EXPOSURES)**

EYES: ACUTE -- MAY CAUSE SEVERE IRRITATION WITH BLURRED VISION.

CHRONIC -- CORNEAL OPACITY OR CLOUDING OF THE EYE. AVOID EYE CONTACT.

SKIN CONTACT: ACUTE -- TRANSIENT IRRITATION AND REDNESS.

CHRONIC -- IN SEVERE CASES BLISTERING OF SKIN.

SKIN ABSORPTION: ACUTE -- ND

CHRONIC -- ND

INHALATION: ACUTE -- INHALATION OF MISTS MAY CAUSE MILD RESPIRATORY TRACT IRRITATION.

CHRONIC -- EXCESSIVE EXPOSURE TO HEATED VAPORS CAN CAUSE IRRITATION OF EYES, NOSE AND THROAT.

INGESTION: ACUTE -- MATERIAL IS HIGHLY ALKALINE AND CAUSE TOXIC EFFECTS ON THE CENTRAL NERVOUS SYSTEM AND CAUSE SEVERE STOMACH DISTRESS.

CHRONIC -- ND

**CONDITIONS AGGRAVATED BY EXPOSURE:** SKIN DISORDERS.**CARCINOGENIC DATA:** DOES NOT CONTAIN 0.1% OR MORE OF ANY SUBSTANCE LISTED AS A CARCINOGEN BY OSHA, NTP, IARC.

TERATOGENICITY: NO

MUTAGENICITY: NO

EMBRYOTOXICITY: NO

SYNERGISTIC MATERIAL: NO

**OVEREXPOSURE EFFECTS:** LACRIMATION OF EYES, SKIN IRRITATION

IRRITANCY: YES - REVERSIBLE

SENSITIZER: YES - REVERSIBLE

**EMERGENCY AND FIRST AID PROCEDURES:**

GENERAL: REMOVE AFFECTED PERSON FROM AREA. TREAT SYMPTOMATICALLY.

EYES: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

SKIN: WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

INHALATION: MOVE TO FRESH AIR. IF BREATHING REMAINS OR BECOMES LABORED, SEEK MEDICAL ATTENTION.

INGESTION: GIVE 3 - 4 GLASSES OF MILK OR WATER. **DO NOT INDUCE VOMITING.** SEEK MEDICAL ATTENTION.**ACUTE TOXICITY EFFECTS:** ND**SECTION 6: REACTIVITY DATA****STABILITY:** STABLE**CONDITIONS TO AVOID:** AVOID FREEZING, IF RAW LATEX IS HEATED, IT WILL FOAM AT 200° F.**INCOMPATIBILITY (MATERIAL TO AVOID):** ACIDS WILL CAUSE LATEX TO COAGULATE**HAZARDOUS DECOMPOSITION PRODUCTS:** HYDROGEN CHLORIDE (AT TEMPERATURES ABOVE 392° F)**HAZARDOUS POLYMERIZATION (REACTIVITY):** WILL NOT OCCUR.**SECTION 7: SPILL OR LEAK PROCEDURES****STEPS TO BE TAKEN IN CASE OF MATERIAL IS RELEASED OR SPILLED:** COVER SPILLS WITH ABSORBENT. PLACE IN METAL CONTAINERS FOR RECOVERY OR DISPOSAL. PREVENT ENTRY INTO SEWERS, STORM DRAINS, WATERWAYS.**WASTE DISPOSAL METHODS:** AT THIS TIME, MATERIAL AND ITS CONTAINERS WOULD NOT BE CONSIDERED HAZARDOUS WASTE AS DEFINED UNDER RCRA REGULATIONS. CHECK FOR DISPOSAL COMPLIANCE UNDER FEDERAL, STATE AND LOCAL AUTHORITIES.**ECOLOGICAL INFORMATION:** NE

ECOTOXICITY: NE

**SECTION 8: SPECIAL PROTECTION INFORMATION**

**ENGINEERING CONTROLS:** NO SPECIFIC CONTROLS NEEDED. GENERAL AND LOCAL EXHAUST RECOMMENDED.

**RESPIRATORY PROTECTION:** NONE REQUIRED IN ADEQUATELY VENTILATED AREAS. IF CONCENTRATION EXCEEDS 20ppm FOR LONGER THAN 15 MINUTES, A NIOSH APPROVED RESPIRATOR FOR ORGANIC VAPORS IS RECOMMENDED.

**PROTECTIVE GLOVES:** NITRILE RUBBER.

**EYE PROTECTION:** SPLASH-PROOF GOGGLES OR CHEMICAL SAFETY GLASSES.

**OTHER PROTECTIVE EQUIPMENT:** LONG SLEEVED SHIRTS AND TROUSERS. EMERGENCY EYE WASH STATIONS SHOULD BE READILY ACCESSIBLE.

**SECTION 9: HANDLING & STORAGE**

**GENERAL:** STORE IN COOL, WELL VENTILATED AREAS. KEEP AWAY FROM HEAT AND OPEN FLAMES. AVOID PROLONGED INHALATION OF HEATED VAPORS OR MISTS. AVOID PROLONGED SKIN CONTACT.

**SECTION 10: SUPPLEMENTAL INFORMATION**

**HMS RATING**                      **HEALTH**    1                      **FLAMMABILITY**    0                      **REACTIVITY**    0

**DOT PROPER SHIPPING NAME:** LIQUID LATEX, NOT REGULATED BY DOT - HMR

**HAZARD CLASS:** NONE

**UN NUMBER:** NOT APPLICABLE

**PACKING GROUP:** NOT APPLICABLE

**IMO SHIPPING DATA:** NOT REGULATED

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

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** ALL COMPONENTS ARE LISTED IN THE TSCA CHEMICAL SUBSTANCE INVENTORY.

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

**SARA TITLE III**

SECTION 312 HAZARD CLASS: SLIGHT HEALTH HAZARD

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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