

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: MIRASTAMP LIQUID POLYMER
CHEMICAL FAMILY: LATEX
INTENDED USE: DECK COVERING POLYMER ADMIX.
WHMIS CLASSIFICATION: NONE

INITIAL ISSUE DATE: MAY 28, 2003 REVISION DATE: APRIL 22, 2004

PREPARED BY: J.W.ESSIG

SECTION 2: HAZARDOUS INGREDIENTS

INGREDIENTS	Wt. %	CAS Number
EHTYLENE-VINYL ACETATE COPOLYMER	15-40 %	024937-78-8
VINYL ACETATE MONOMER	0.1-1.0%	007732-18-5

INGREDIENTS (CAS)	EXPOSURE LIMITS (ppm)				OTHER
	OSHA		ACGIH		
	TWA	STEL	TWA	STEL	
024937-78-8	NE	NE	NE	NE	
007732-18-5	10	20	10	15	

LEGEND: (M) MAX. EXPOSURE LIMIT; (S) OCCUPATIONAL EXP. LIMIT; (R) SUPPLIERS REC. LIMIT, (+) PERCUTANEOUS RISK
 VOC: COMPONENT = 3 gram / liter (CARB) AS APPLIED: 1 gram / liter (CARB)

SECTION 3: PHYSICAL DATA

BOILING POINT: >100^o C (>212_o F) **SPECIFIC GRAVITY:** 1.05
VAPOR PRESSURE: ND **MELTING POINT:** ND
VAPOR DENSITY: >1 **EVAPORATION RATE:** <1
 (AIR = 1) (BUTYL ACETATE = 1)
SOLUBILITY IN WATER: COMPLETE **pH:** 4-6
COEFFICIENT of WATER/OIL DISTRIBUTION: ND
APPEARANCE AND ODOR: WHITE LIQUID 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: CO, CO₂, ORGANIC ACIDS, ALDEHYDES
SENSITIVITY TO IMPACT: NONE
SENSITIVITY TO STATIC DISCHARGE: NONE
EXTINGUISHNG MEDIA: WATER, CO₂, DRY CHEMICAL
SPECIAL FIRE FIGHTING PROCEDURES: NO SPECIAL PROCEDURES REQUIRED. THE PRODUCT, AS DISTRIBUTED, IS NON COMBUSTABLE
UNUSUAL FIRE AND EXPLOSIVE HAZARDS: WHEN DRIED POLYMER BURNS, H₂O, CO₂, CO AND SMOKE ARE PRODUCED.

(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.

THIS PRODUCT DOES CONTAIN SMALL AMOUNTS OF VINYL ACETATE MONOMER. ACGIH EVALUATED VINYL ACETATE (1993) AS AN A3- ANIMAL CARCINOGEN. AVAILABLE EVIDENCE SUGGESTS THAT THE AGENT IS NOT LIKELY TO CAUSE CANCER IN HUMANS EXCEPT UNDER UNCOMMON OR UNLIKELY ROUTES OF EXPOSURE. THE IARC PUBLISHED A MONOGRAPH ON VINYL ACETATE (1995). IN THIS MONOGRAPH IARC INDICATES "THERE IS INADEQUATE EVIDENCE IN HUMANS FOR CARCINOGENICITY OF VINYL ACETATE. THERE IS LIMITED EVIDENCE IN EXPERIMENTAL ANIMALS FOR CARCINOGENICITY OF VINYL ACETATE." NORMALLY, THIS LACK OF CONCLUSIVE EVIDENCE WOULD PLACE A SUBSTANCE IN IARC CATEGORY 3 (NOT CLASSIFIED AS A HUMAN CARCINOGEN). HOWEVER, BECAUSE VINYL ACETATE IS METABOLIZED TO ACETALDEHYDE, WHICH HAS AN IARC 2B (POSSIBLY CARCINOGENIC TO HUMANS), IT HAS ALSO BEEN LISTED UNDER CATEGORY 2B.

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^oF.

INCOMPATIBILITY (MATERIAL TO AVOID): REACTIVE METALS (i.e. sodium, calcium, zinc etc.)

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO2 ACETIC ACID, ALDEHYDES

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: VINYL ACETATE MONOMER

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

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