

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: CHAMELEON EFFECT DISPERSANT
CHEMICAL FAMILY: SOLVENT/SURFACTANT
INTENDED USE: TOPICAL EFFECT DISPERSANT
WHMIS CLASSIFICATION: B2, D1A, D2A, D2B

INITIAL ISSUE DATE: MAY 25, 2005

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PREPARED BY: J.W.ESSIG

SECTION 2: HAZARDOUS INGREDIENTS

PRODUCT/INGREDIENTS	Wt. %	CAS Number
ACETIC ACID BUTYL ESTER	60-100	000123-86-4
ACETIC ACID ETHYNYL ESTER, POLYMER WITH ETHENE	0.1-1	024937-78-8
BUTAN-1-OL	0.1-1	000071-36-3

EXPOSURE LIMITS (ppm)

INGREDIENTS (CAS)	OSHA		ACGIH		OTHER
	TWA	STEL	TWA	STEL	
000123-86-4	150	200	150	200	
024937-78-8	ND	ND	ND	ND	
000071-36-3	100	ND	100	ND	

LEGEND: (M) MAX. EXPOSURE LIMIT; (S) OCCUPATIONAL EXP. LIMIT; (R) SUPPLIERS REC. LIMIT, (+) PERCUTANEOUS RISK
 NOTE 1: VALUES MEANINGFUL ONLY WHEN HARDENED PRODUCT IS ABRADED, GROUND, ETC.

VOC: COMPONENT =880 gms/Liter

SECTION 3: PHYSICAL DATA

BOILING POINT: 125°C (257°F) **SPECIFIC GRAVITY:** 0.883
VAPOR PRESSURE: 15mm Hg @25C **MELTING POINT:** ND
VAPOR DENSITY: 4 **EVAPORATION RATE:** 5.8
 (AIR = 1) (BUTYL ACETATE = 1)
SOLUBILITY IN WATER: SLIGHTLY SOLUBLE **pH:** NA
COEFFICIENT of WATER/OIL DISTRIBUTION: ND
APPEARANCE AND ODOR: MOBILE LIQUID. FRUITY ODOR
ODOR THRESHOLD: ND

SECTION 4: FIRE AND EXPLOSION HAZARD

FLASH POINT: 22.2°C (72°F) TCC
CONDITIONS OF FLAMMABILITY: ND
FLAMMABLE LIMITS: **LEL:** 1.7% **UEL:** 7.6%
OSHA CLASS: FLAMMABLE LIQUID, PACKING GROUP II
AUTO IGNITION TEMP: 425°C (797°F)
HAZARDOUS COMBUSTION PRODUCTS: CO, CO₂
SENSITIVITY TO IMPACT: ND
SENSITIVITY TO STATIC DISCHARGE: STATIC DISCHARGE MAY CAUSE MATERIAL TO IGNITE
EXTINGUISHNG MEDIA: IGNITION MAY GIVE RISE TO A CLASS B FIRE. IN CASE OF FIRE USE: WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL FOAM.
SPECIAL FIRE FIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. WATER SPRAY IS USEFUL IN COOLING FIRE-EXPOSED VESSELS AND IN DISPERSING VAPORS.
UNUSUAL FIRE AND EXPLOSIVE HAZARDS: MAY GENERATE TOXIC OR IRRITATING COMBUSTION PRODUCTS. SUDDEN REACTION AND FIRE MAY RESULT IF PRODUCT IS MIXED WITH AN OXIDIZING AGENT. SOLVENT VAPORS MAY BE HEAVIER THAN AIR. UNDER CONDITIONS OF STAGNANT AIR, VAPORS MAY BUILD UP AND TRAVEL ALONG THE GROUND TO AN IGNITION SOURCE.

SECTION 5: HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: EYE CONTACT, SKIN CONTACT, INGESTION.

HEALTH HAZARDS (ACUTE AND CHRONIC EXPOSURES)

EYES: ACUTE – LIQUID, AEROSOLS OR VAPORS ARE SEVERLY IRRITATING AND CAN CAUSE PAIN, TEARING, REDDENING AND SWELLING. IF LEFT UNTREATED, CORNEAL DAMAGE CAN OCCUR AND INJURY IS SLOW TO HEAL. HOWEVER DAMAGE IS USUALLY REVERSABLE

CHRONIC – PROLONGED VAPOR CONTACT MAY CAUSE CONJUNCTIVITIS

SKIN CONTACT: ACUTE – REPEATED OR PROLONGED SKIN CONTACT CAN RESULT IN DRY, DEFATTED AND CRACKED SKIN CAUSING INCREASED SUSCEPTABILITY TO INFECTION. IN ADDITION IRRITATION MAY DEVELOP INTO DERMATITIS. SOLVENTS CAN PENETRATE THE SKIN AND MAY CAUSE EFFECTS SIMILAR TO THOSE IDENTIFIED UNDER ACUTE INHALATION SYMPTOMS.

CHRONIC – MAY CAUSE EFFECTS SIMILAR TO THOSE IDENTIFIED UNDER CHRONIC INHALATION EFFECTS.

SKIN ABSORPTION: ACUTE-ND

CHRONIC- ND

INHALATION: ACUTE – SOLVENT VAPORS ARE IRRITATING TO THEIR EYES NOSE AND THROAT. SYMPTOMS OF IRRITATION MAY INCLUDE RED, ITCHY EYES, DRYNESS OF THE THROAT AND A FEELING OF TIGHTNESS IN THE CHEST. OTHER POSSIBLE SYMPTOMS OF OVEREXPOSURE INCLUDE: HEADACHE, DIZZINESS, NAUSEA, NARCOSIS FATIGUE AND LOSS OF APPETITE.

CHRONIC – CHRONIC EXPOSURE TO ORGANIC SOLVENTS HAS BEEN ASSOCIATED WITH VARIOUS NEUROTOXIC EFFECTS INCLUDING PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. SYMPTOMS INCLUDE LOSS OF MEMORY, LOSS OF INTELLECTUAL ABILITY AND LOSS OF COORDINATION.

INGESTION: ACUTE – CAN RESULT IN IRRITATION OF THE DIGESTIVE TRACT. SYMPTOMS CAN INCLUDE SORE THROAT, ABDOMINAL PAIN, NAUSEA, VOMITTING AND DIARRHEA. VOMITING MAY CAUSE ASPIRATION OF SOLVENT RESULTING IN CHEMICAL PNEUMONITIS

CHRONIC -- ND

CONDITIONS AGGRAVATED BY EXPOSURE: SKIN DISORDERS AND ALLERGIES.

CARCINOGENIC DATA:	NTP: NONE	OSHA: NONE	IARC: NONE
	TERATOGENICITY: NONE LISTED	MUTAGENICITY: NONE LISTED	
	EMBRYOTOXICITY: NONE LISTED	SYNERGISTIC MATERIAL: NONE LISTED	

OVEREXPOSURE EFFECTS: LACRIMATION OF EYES, SKIN IRRITATION, DIZZINESS.

IRRITANCY: YES

SENSITIZER: NO

EMERGENCY AND FIRST AID PROCEDURES:

GENERAL: REMOVE PERSON FROM AFFECTED AREA AND MAKE COMFORTABLE. TREAT SYMPTOMATICALLY.

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

SKIN: REMOVE PRODUCT AND FLUSH AFFECTED AREA WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

INHALATION: MOVE TO FRESH AIR. GIVE ASSISTED RESPIRATION IF BREATHING HAS STOPPED OR IS LABORED (CALL A PHYSICIAN).

INGESTION: GIVE 3 – 4 GLASSES OF WATER OR MILK IF PERSON CONSCIOUS. **DO NOT INDUCE**

VOMITING! OBTAIN MEDICAL CARE AND TREATMENT.

ACUTE TOXICITY EFFECTS: ND

SECTION 6: REACTIVITY DATA

STABILITY: STABLE AT STANDARD TEMPERATURES AND PRESSURES

CONDITIONS TO AVOID: NOT APPLICABLE (MATERIAL IS STABLE).

INCOMPATIBILITY (MATERIAL TO AVOID): OXIDIZING AGENTS (PERCHLORATES, NITRATES), STRONG ACIDS, HYPOCHLORITES, PEROXIDES. SHOULD NOT BE COMBINED WITH PHOSPHOROUS CONTAINING MATERIALS BECAUSE HIGHLY TOXIC FUMES CAN BE EMITTED IN A FIRE SITUATION.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂.

HAZARDOUS POLYMERIZATION (REACTIVITY): WILL NOT OCCUR.

SECTION 7: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF MATERIAL IS RELEASED OR SPILLED: : SHUT OFF SOURCES OF IGNITION. COVER SPILLS WITH ABSORBENT. PLACE IN METAL CONTAINERS FOR RECOVERY OR DISPOSAL. PREVENT ENTRY INTO SEWERS, STORM DRAINS, WATERWAYS.

WASTE DISPOSAL METHODS: INCINERATION IS PREFERRED. COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. CHEMICAL AND/OR BIOLOGICAL DEGRADATION IS FEASIBLE.

ECOLOGICAL INFORMATION: BIODEGRADABLE.

ECOTOXICITY: ND

SECTION 8: SPECIAL PROTECTION INFORMATION

ENGINEERING CONTROLS: EXHAUST VENTILATION SUFFICIENT TO KEEP AIRBORNE CONCENTRATION OF THE SOLVENTS BELOW THEIR RESPECTIVE TLV'S. EXHAUST AIR MAY NEED TO BE CLEANED BY SCRUBBERS OR FILTERS TO REDUCE ENVIRONMENTAL CONTAMINATION.

RESPIRATORY PROTECTION: NONE REQUIRED IN ADEQUATELY VENTILATED AREAS. IF VAPOR CONCENTRATION EXCEEDS 2500 ppm 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 SHOWERS AND EYE WASH STATIONS SHOULD BE READILY ACCESSIBLE.

SECTION 9: HANDLING & STORAGE

GENERAL: KEEP AWAY FROM OXIDIZERS, HEAT OR FLAME. STORE AND HANDLE IN WELL VENTILATED AREAS. KEEP COOL, DRY AND IN CLOSED CONTAINERS.

SECTION 10: SUPPLEMENTAL INFORMATION

HMS RATING HEALTH 2 FLAMMABILITY 3 REACTIVITY 0

DOT PROPER SHIPPING NAME: BUTYL ACETATES

LABEL: FLAMMABLE LIQUID

HAZARD CLASS: 3 (FLAMMABLE LIQUID).

UN NUMBER: UN 1123

PACKING GROUP: II

IMO SHIPPING DATA: BUTYL ACETATES, UN 1123, PG II

ICAO/IATA SHIPPING DATA: BUTYL ACETATES, UN 1123, PG II

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

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION and LIABILITY ACT): REPORTABLE QUANTITY, BUTYL ACETATES, 5000 LBS.

SARA TITLE III

SECTION 312 HAZARD CLASS: FIRE 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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