

MATERIAL SAFETY DATA SHEET

Abbreviations used on this Material Safety Data Sheet:

N/av. = Not available, N/ap. = Not applicable, ppm = parts per million, TLV = Threshold Limit Value.

NFPA Hazard Rating: 4 - Extreme, 3 - High, 2 - Moderate, 1- Slight, 0- None, X - Blank

WHMIS HAZARD: SLIGHT

NFPA HAZARD RATING: NONE

HEALTH - 2 , FLAMMABILITY - 0 , REACTIVITY - 1

SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: FOOD SERVICE DEGREASER	
PRODUCT USE: DEGREASER & CLEANER	
MANUFACTURER'S NAME: ULTRA CHEM INDUSTRIES LTD.	SUPPLIER'S NAME:
STREET ADDRESS: #1-7107 VENTURE STREET	STREET ADDRESS:
CITY: DELTA PROVINCE/STATE: B.C.	CITY: PROVINCE:
POSTAL CODE: V4G 1H7	EMERGENCY TELEPHONE: 1-800-535-5053
POSTAL CODE:	EMERGENCY TELEPHONE:

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LETHAL DOSE (50%) OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LETHAL CONCENTRATION (50%) OF INGREDIENT (SPECIFY SPECIES AND ROUTE)
N-BUTOXYPROPANOL	1-5	5131-66-8	2200 MG/KG (ORAL,RAT)	N/AV
POTASSIUM HYDROXIDE	1-3	1310-58-3	365 MG/KG (ORAL, RAT)	N/AV

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE: LIQUID	ODOUR AND APPEARANCE: MILD ODOR; CLEAR SOLUTION		THRESHOLD ODOUR (ppm): N/AV
VAPOUR PRESSURE: 1.7mmHg (mm Hg)	VAPOUR DENSITY: 4.1 (Air = 1)	EVAPORATION RATE: as water (n-Butyl acetate = 1)	BOILING POINT: > 100 °C
pH: 12.0 ± 0.5	SPECIFIC GRAVITY: 1.03 (Water = 1)	COEFFICIENT OF WATER/OIL DISTRIBUTION: 100% WATER SOLUBLE	FREEZING POINT: < 0°C

SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY: IF YES, UNDER WHICH CONDITIONS? YES NO X			
MEANS OF EXTINCTION: AS FOR SURROUNDING FIRE			
SPECIAL PROCEDURES: NORMAL FIRE-FIGHTING PROCEDURES			
FLASHPOINT AND METHOD: N/AP	UPPER FLAMMABILITY LIMIT: (% BY VOLUME) N/AP	LOWER FLAMMABILITY LIMIT: (% BY VOLUME) N/AP	
AUTOIGNITION TEMPERATURE: N/AP	HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON, OXIDES OF NITROGEN		
EXPLOSION DATA: N/AP		SENSITIVITY TO STATIC DISCHARGE: N/AP	

SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY: IF NO, UNDER WHICH CONDITIONS? YES X NO	
INCOMPATIBILITY WITH OTHER SUBSTANCES: IF YES, WHICH ONES? YES X NO STRONG ACIDS, STRONG OXIDIZING AGENTS	
REACTIVITY, AND UNDER WHAT CONDITIONS? HEATED TO 250°C	
HAZARDOUS DECOMPOSITION PRODUCTS: NONE	

PRODUCT IDENTIFIER: FOOD SERVICE DEGREASER

SECTION 6 - TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: SKIN CONTACT SKIN ABSORPTION EYE CONTACT INHALATION INGESTION

EFFECTS OF ACUTE EXPOSURE TO PRODUCT:
INHALATION, EYE AND SKIN CONTACT MAY CAUSE BURNS.
INGESTION MAY CAUSE BURNS TO MOUTH, THROAT AND ABDOMEN

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT:
PROLONGED OR REPEATED EXPOSURE CAN CAUSE DRYING, DEFATTING AND DERMATITIS OF SKIN.

EXPOSURE LIMITS: N/AV	IRRITANCY OF PRODUCT: CONTACT WITH EYES / SKIN	SENSITIZATION TO PRODUCT: N/AV	CARCINOGENICITY: NO
TERATOGENICITY: N/AV	REPRODUCTIVE TOXICITY: N/AV	MUTAGENICITY: N/AV	SYNERGISTIC PRODUCTS: N/AV

SECTION 7 - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES (SPECIFY): RUBBER OR NEOPRENE GLOVES	RESPIRATOR (SPECIFY): N/AP	EYE (SPECIFY): CHEMICAL SPLASH GOGGLES
FOOTWEAR (SPECIFY): IMPERVIOUS	CLOTHING (SPECIFY): N/AP	OTHER (SPECIFY): NONE

ENGINEERING CONTROLS (SPECIFY, VENTILATION, ENCLOSED PROCESS):
GENERAL VENTILATION

LEAK AND SPILL PROCEDURE:
RINSE WITH COPIOUS AMOUNTS OF WATER AND LET DRY.

WASTE DISPOSAL:
ACCORDING TO LOCAL, PROVINCIAL AND FEDERAL GOVERNMENT REQUIREMENTS.

HANDLING PROCEDURES AND EQUIPMENT:
NORMAL HANDLING PROCEDURES.

STORAGE REQUIREMENTS:
STORE IN WELL VENTILATED AREAS, RECOMMENDED TEMPERATURE: 15c

SPECIAL SHIPPING INFORMATION: NORMAL PROCEDURE; KEEP FROM FREEZING.	TDG. UN NUMBER CAUSTIC ALKALI LIQUIDS, NOS (POTASSIUMHYDROXIDE, MONOETHANOLAMINE), CLASS 8, UN1719, PG III
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SECTION 8 - FIRST AID MEASURES

SPECIFIC MEASURES:
INGESTION: DRINK 3-4 GLASSES OF MILK OR WATER; DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION.
CONTACT WITH EYES: FLUSH WITH COPIOUS AMOUNTS OF POTABLE WATER.
SEEK MEDICAL ATTENTION.
CONTACT WITH SKIN: FLUSH WITH COPIOUS AMOUNTS OF POTABLE WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.
INHALATION: REMOVE TO FRESH AIR. IF DISCOMFORT PERSISTS OBTAIN MEDICAL ATTENTION.

SECTION 9 - PREPARATION DATE OF MSDS

PREPARED BY: ULTRA CHEM INDUSTRIES LTD. DIRECTOR TECHNICAL SERVICES	PHONE NUMBER: (604) 946-8357	DATE: OCTOBER 2003
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