

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 - 2

SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER:	ULTRA FLOOR CARE / NEUTRALIZER				
PRODUCT USE:	Acidic Rinse & Residue Remover				
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)
PHOSPHORIC ACID (FOOD GRADE)	20	7664-38-2	9000 MG/KG (ORAL, RAT)	N/AV
CITRIC ACID (FOOD GRADE)	10	77-92-9	N/AP	N/AP
MALIC ACID (FOOD GRADE)	7	6915-15-7	N/AP	N/AP
WATER	63	7732-18	N/AV	N/AV

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE:	LIQUID	ODOUR AND APPEARANCE:	LIGHT GREEN ODORLESS LIQUID		THRESHOLD ODOUR (ppm):	N/AP			
VAPOUR PRESSURE: (mm Hg)	8.2	VAPOUR DENSITY: (Air = 1)	N/AV	EVAPORATION RATE: (n-Butyl acetate = 1)	N/AV	BOILING POINT:	>100°C	FREEZING POINT:	<0°C
pH:	3.0 ± 0.8	SPECIFIC GRAVITY: (Water = 1)	1.3	COEFFICIENT OF WATER/OIL DISTRIBUTION:	N/AP				

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 PROCEDURE							
FLASHPOINT AND METHOD:	NONE	UPPER FLAMMABILITY LIMIT: (% BY VOLUME)	N/AP	LOWER FLAMMABILITY LIMIT: (% BY VOLUME)	N/AP		
AUTOIGNITION TEMPERATURE:	N/AV	HAZARDOUS COMBUSTION PRODUCTS:	CAN REACT WITH METALS TO PRODUCE HYDROGEN GAS WHICH IS FLAMMABLE				
EXPLOSION DATA:	NO			SENSITIVITY TO STATIC DISCHARGE:	N/AV		

SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY IF NO, UNDER WHICH CONDITIONS? YES X NO	
INCOMPATIBILITY WITH OTHER SUBSTANCES IF YES, WHICH ONES?	ALKALIS; REACTIVE METALS, BLEACH, AMMONIA
REACTIVITY, AND UNDER WHAT CONDITIONS? FLAMMABLE HYDROGEN GAS MAY BE PRODUCED ON CONTACT WITH METALS SUCH AS ALUMINUM, TIN, LEAD, ZINC.	
HAZARDOUS DECOMPOSITION PRODUCTS: NONE	

PRODUCT IDENTIFIER: ULTRA FLOOR CARE / NEUTRALIZER

SECTION 6 - TOXICOLOGICAL PROPERTIES

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

EFFECTS OF ACUTE EXPOSURE TO PRODUCT:

SLIGHTLY TOXIC ON SKIN; CORROSIVE UPON EYE CONTACT

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT:

MAY CAUSE BURNS TO EXPOSED TISSUE

EXPOSURE LIMITS:

SLIGHTLY TOXIC ORALLY/ SKIN

IRRITANCY OF PRODUCT:

CONTACT WITH EYES/SKIN

SENSITIZATION TO PRODUCT:

N/AV

CARCINOGENICITY:

NO

TERATOGENICITY:

N/AV

REPRODUCTIVE TOXICITY:

N/AV

MUTAGENICITY:

NO GENETIC CHANGE IN STANDARD TEST USING BACTERIAL CELLS.

SYNERGISTIC PRODUCTS:

N/AV

SECTION 7 - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES (SPECIFY):

NEOPRENE OR RUBBER

RESPIRATOR (SPECIFY):

N/AP

EYE (SPECIFY):

SAFETY GLASSES OR GOGGLES

FOOTWEAR (SPECIFY):

IMPERVIOUS

CLOTHING (SPECIFY):

NO

OTHER (SPECIFY):

NONE

ENGINEERING CONTROLS (SPECIFY, VENTILATION, ENCLOSED PROCESS):

LOCAL EXHAUST IN AREAS WHERE DUSTY OR MISTY CONDITIONS PREVAIL

LEAK AND SPILL PROCEDURE:

USE APPROPRIATE SAFETY EQUIPMENT, DIKE AREA, COLLECT FOR DISPOSAL

WASTE DISPOSAL:

IN ACCORDANCE TO LOCAL, PROVINCIAL AND FEDERAL AUTHORITIES.

HANDLING PROCEDURES AND EQUIPMENT:

AVOID CONTACT WITH METALS, WEAR IMPERVIOUS CLOTHING, USE ADEQUATE VENTILATION

STORAGE REQUIREMENTS:

COOL; DRY; WELL VENTILATED AREA

SPECIAL SHIPPING INFORMATION:

KEEP FROM FREEZING: NORMAL PROCEDURES

TDG. UN NUMBER

N/AP

SECTION 8 - FIRST AID MEASURES

SPECIFIC MEASURES:

EYE CONTACT: IMMEDIATELY FLUSH WITH COPIOUS AMOUNTS OF POTABLE WATER. SEEK MEDICAL ATTENTION IMMEDIATELY.

INHALATION: REMOVE TO FRESH AIR. IF DISCOMFORT PERSISTS OBTAIN MEDICAL ATTENTION.

SKIN CONTACT: FLUSH WITH COPIOUS AMOUNTS OF POTABLE WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION IMMEDIATELY.

INGESTION: RINSE MOUTH WITH WATER; DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION IMMEDIATELY.

SECTION 9 - PREPARATION DATE OF MSDS

PREPARED BY:

ULTRA CHEM INDUSTRIES LTD.
DIRECTOR TECHNICAL SERVICES

PHONE NUMBER:

(604) 946-8357

DATE:

October 2004