

PRODUCT IDENTIFIER: **Heavy Duty Cleaner**

SECTION 6 - TOXICOLOGICAL PROPERTIES

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

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 THE SKIN.

EXPOSURE LIMITS: N/AV	IRRITANCY OF PRODUCT: SKIN AND EYE	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): NEOPRENE OR RUBBER	RESPIRATOR (SPECIFY): FOR SPILLS OR OVEREXPOSURE NIOSH APPROVED, ORGANIC VAPOUR CARTRIDGE	EYE (SPECIFY): CHEMICAL SPLASH GOGGLES
FOOTWEAR (SPECIFY): IMPERVIOUS	CLOTHING (SPECIFY): N/AP	OTHER (SPECIFY): NO
ENGINEERING CONTROLS (SPECIFY, VENTILATION, ENCLOSED PROCESS): GENERAL VENTILATION NORMALLY ADEQUATE.		
LEAK AND SPILL PROCEDURE: RINSE WITH WATER AND LET DRY		
WASTE DISPOSAL: ACCORDING TO LOCAL, PROVINCIAL AND FEDERAL GOVERNMENT REQUIREMENTS.		
HANDLING PROCEDURES AND EQUIPMENT: KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.		
STORAGE REQUIREMENTS: STORE IN WELL VENTILATED AREA.		
SPECIAL SHIPPING INFORMATION: NORMAL PROCEDURES; KEEP FROM FREEZING	TDG. UN NUMBER N/AP	

SECTION 8 - FIRST AID MEASURES

SPECIFIC MEASURES:
CONTACT WITH EYES: FLUSH WITH COPIOUS AMOUNTS OF POTABLE WATER. SEEK MEDICAL ATTENTION IMMEDIATELY.
CONTACT WITH SKIN: FLUSH WITH COPIOUS AMOUNTS OF POTABLE WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION IMMEDIATELY.
INGESTION: DO NOT INDUCE VOMITING. GIVE LOTS OF WATER OR MILK. 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: JUNE 05
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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 - 1 , FLAMMABILITY - 0,, REACTIVITY - 0

SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER:	HEAVY DUTY CLEANER 3_D			GS37	
PRODUCT USE:	CLEANER				
MANUFACTURER'S NAME:	ULTRA CHEM INDUSTRIES LTD.		SUPPLIERS 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		

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)
POTASSIUM HYDROXIDE	1%	1310-58-3	365 MG/KG (ORAL, RAT)	N/AV
C9-C11 LINEAR PRIMARY ALCOHOL ETHOXYLATE	3.5%	68439-46-3	1400 MG/KG (ORAL, RAT)	N/AV
2-PROPANOL 1-PROPOXY / n-PROPOXYPROPANOL	5%	1569-01-3	2920 mg/Kg (oral,rat)	N/AV

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE:	LIQUID	ODOUR AND APPEARANCE:	NATURAL CITRUS ODOR; CLEAR LIGHT AMBER SOLUTION		THRESHOLD ODOUR (ppm):	N/AV			
VAPOUR PRESSURE:	1.7mmHg	VAPOUR DENSITY: (Air = 1)	4.1	EVAPORATION RATE:(n-Butyl acetate = 1)	0.22	BOILING POINT:	> 100°C	FREEZING POINT:	< 0°C
PH:	11.5±5 at 1% sol.	SPECIFIC GRAVITY: (Water = 1)	1.02±.01	COEFFICIENT OF WATER/OIL DISTRIBUTION:	100% WATER SOLUBLE				

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:	NONE	HAZARDOUS COMBUSTION PRODUCTS:	NONE		
EXPLOSION DATA:	NO	SENSITIVITY TO STATIC DISCHARGE:	NO		

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 OXIDIZING AGENTS
REACTIVITY, AND UNDER WHAT CONDITIONS?	
NONE	
HAZARDOUS DECOMPOSITION PRODUCTS:	
NONE	