

PRODUCT IDENTIFIER: **GLASS & SURFACE 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, SKIN CONTACT MAY CAUSE IRRITATION
INGESTION MAY CAUSE IRRITATION TO MOUTH AND THROAT.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT:

PROLONGED EXPOSURE MAY CAUSE SKIN DEFATTING.

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	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):

NORMAL VENTILATION

LEAK AND SPILL PROCEDURE:

RINSE WITH 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

N/AP

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.

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: GLASS & SURFACE CLEANER		GS 37	
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	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)
C9-C11 LINEAR PRIMARY ALCOHOL ETHOXYLATE	3.5%	68439-46-3	1400 MG/KG(ORAL, RAT)	N/AV
POTASSIUM HYDROXIDE	1%	1310-58-3	365 MG/KG (ORAL, RAT)	N/AV
2-PROPANOL 1-PROPOXY / n-PROPOXYPROPANOL (glycol ether PNP)	1.0-3.5%	1569-01-3	2920 MG/KG(ORAL, RAT)	N/AV

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE: LIQUID	ODOUR AND APPEARANCE: NATURAL CITRUS ODOR; BLUE SOLUTION		THRESHOLD ODOUR (ppm):
VAPOUR PRESSURE: 1.7mmHg (mm Hg)	VAPOUR DENSITY: 4.1 (Air = 1)	EVAPORATION RATE: (n-Butyl acetate = 1) 0.22	BOILING POINT: > 100°C
pH: 9.5 ± 0.5	SPECIFIC GRAVITY: 1.02±0.01 (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		
EXPLOSION DATA: SENSITIVITY TO IMPACT: 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 OXIDIZING AGENTS, STRONG ACIDS	
REACTIVITY, AND UNDER WHAT CONDITIONS? NONE	
HAZARDOUS DECOMPOSITION PRODUCTS: NONE	