

MATERIAL SAFETY DATA SHEET


SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

ETCETERA EXTRA TOUGH CLEANER			WHMIS Classification: SLIGHT	
Product Use: Degreaser Component & Specialized Cleaner				
Manufacturer's Name: ULTRA CHEM INDUSTRIES LTD		Suppliers Name PAPERMAKE ENTERPRISES LTD.		
Street Address: Unit 1 - 7107 Venture Street		Street Address 19028- 27th Avenue		
City: DELTA	Province:/ State B.C.	City SURREY	Province BC	
Postal Code: V4G 1H7	Emergency Telephone: 1-800-535-5053	Postal Code V3S 5T1	Emergency Telephone 604.536.7767	
Date MSDS Prepared: JANUARY 2009		MSDS Prepared by: ULTRA CHEM INDUSTRIES LTD		Phone Number: 1-604-946-8357

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	LD ₅₀ of Ingredient (<i>specify species and route</i>)	LC ₅₀ of Ingredient (<i>specify species</i>)
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 - HAZARDS IDENTIFICATION

Route of Entry <input checked="" type="checkbox"/> Skin Contact <input type="checkbox"/> Skin Absorption <input checked="" type="checkbox"/> Eye Contact <input checked="" type="checkbox"/> inhalation <input checked="" type="checkbox"/> Ingestion
[Emergency Overview]
[WHMIS Symbols] 
[Potential Health Effects] Prolonged or repeated exposure can cause drying, defatting and dermatitis of skin.

SECTION 4 - FIRST AID MEASURES

Skin Contact Flush with copious amounts of potable water. If irritation persists, seek medical attention
Eye Contact Flush with copious amounts of potable water. Seek medical attention.
Inhalation: Remove to fresh air. If discomfort persists obtain medical attention.
Ingestion Drink 3-4 glasses of milk or water. NO NOT INDUCE vomiting. Seek Medical Attention

SECTION 5 - FIRE FIGHTING MEASURES

Flammable <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, under which conditions?	
Means of Extinction As for surrounding Fire. Normal Fire - Fighting Procedures		
Flashpoint (°C) and Method N/AP	Upper Flammable Limit (% by volume) N/AP	Lower Flammable Limit (% by volume) N/AP
Autoignition Temperature (°C) N/AP	Explosion Data - Sensivity to Impact N/AP	Explosion Data - Sensivity to Static Discharge N/AP
Hazardous Combustion Products OXIDES OF CARBON, OXIDES OF NITROGEN		
[NFPA] NONE		

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures RINSE WITH COPIOUS AMOUNTS OF WATER AND LET DRY
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SECTION 7 - HANDLING AND STORAGE

Handling Procedures and Equipment NORMAL HANDLING PROCEDURES
Storage Requirements STORE IN WELL VENTILATED AREAS, RECOMMENDED TEMPERATURE: 15c

SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits <input type="checkbox"/> N/AV <input checked="" type="checkbox"/> ACGIH TLV <input checked="" type="checkbox"/> OSHA PEL <input type="checkbox"/> Other (<i>specify</i>)
Specific Engineering Controls (such as ventilation enclosed process) General ventilation
Personal Protective Equipment <input checked="" type="checkbox"/> Gloves <input checked="" type="checkbox"/> Respirator <input type="checkbox"/> Eye <input type="checkbox"/> Footwear <input type="checkbox"/> Clothing <input type="checkbox"/> Other
If checked, please specify type Neoprene OR Rubber gloves Chemical splash goggles. Impervious

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid	Odour and Appearance Mild odor, redish color solution	Odour Threshold (ppm) N/AP
Specific Gravity 1.03	Vapour Density (air = 1) 4.1	Vapour Pressure (mmHg) 8.2
Evaporation Rate as water	Boiling Point (°C) >100°C	Freezing Point (°C) <0°C
pH 10.0 ± 0.5 at 1% dilution	Coefficient of Water / Oil Distribution 100% water soluble	[Solubility in Water] 100%

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? Strong oxidizing agents, oxides of carbon
Reactivity, and under what conditions? Heated to 250°C	
Hazardous Decomposition Products None	

SECTION 11 - TOXICOLOGICAL INFORMATION

Effects of Acute Exposure Inhalation, eye and skin contact may cause irritation.	
Ingestion may cause burns to mouth, throat and abdomen	
Effects of Chronic Exposure Prolonged or repeated exposure can cause drying, defatting and dermatitis of skin	
Irritancy of Product contact with eyes / skin	
Skin Sensitization N/AV	Respiratory Sensitization
Carcinogenicity -IARC No	Carcinogenicity - ACGIH No
Reproductive Toxicity N/AV	Teratogenicity N/AV
Embryotoxicity	Mutagenicity N/AV
Name of Synergistic Products / Effects N/AV	

SECTION 12 - ECOLOGICAL INFORMATION

Aquatic Toxicity Ecotoxicity: N/A Persistence: N/A Bioaccumulative: N/A

Aquatic Toxicity= N/A

BOD and COD = N/A

Products of Biodegradation= Short Term not likely

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal

According to local, provincial and federal government requirements

SECTION 14 - TRANSPORT INFORMATION

Special Shipping Information:

Normal procedures. Keep from freezing.

PIN

TDG: Caustic alkali liquids; nos (potassiumhydroxide), Class 8,
un 1719 PGIII [DOT]

[IMO]

[ICAO]

SECTION 15 - REGULATORY INFORMATION[WHMIS Classification] Class D Div 2 Materials Causing Other Toxic
Effects [OSHA]

[SERA]

[TSCA]

This product has been classified in accordance with the hazard criteria of the
Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR

SECTION 16 - OTHER INFORMATION

Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.