

# MATERIAL SAFETY DATA SHEET



## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: <b>SUPER HEAVY DUTY DEGREASER 3D</b>		WHMIS Classification: <b>SLIGHT</b>	
Product Use: <b>Degreaser &amp; Cleaner</b>			
Manufacturer's Name: <b>ULTRA CHEM INDUSTRIES LTD</b>		Supplies Name	
Street Address: <b>Unit 1 - 7107 Venture Street</b>		Street Address	
City: <b>DELTA</b>	Province:/ State <b>B.C.</b>	City	Province
Postal Code: <b>V4G 1H7</b>	Emergency Telephone: <b>1-800-535-5053</b>	Postal Code	Emergency Telephone
Date MSDS Prepared: <b>JANUARY 2008</b>	MSDS Prepared by: <b>ULTRA CHEM INDUSTRIES LTD</b>		Phone Number: <b>1-604-946-8357</b>

## SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients ( <i>specific</i> )	%	CAS Number	LD <sub>50</sub> of Ingredient ( <i>specify species and route</i> )	LC <sub>50</sub> 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 <b>As for surrounding Fire. Normal Fire - Fighting Procedures</b>			
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 <b>OXIDES OF CARBON, OXIDES OF NITROGEN</b>			
[NFPA] NONE			

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Leak and Spill Procedures  
**RINSE WITH COPIOUS AMOUNTS OF WATER AND LET DRY**

**SECTION 7 - HANDLING AND STORAGE**

Handling Procedures and Equipment  
**NORMAL HANDLING PROCEDURES**

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Storage Requirements  
**STORE IN WELL VENTILATED AREAS, RECOMMENDED TEMPERATURE: 15c**

**SECTION 8 - EXPOSURE CONTROL / PERSONAL PRETECTION**

Exposure Limits  
 N/AV     ACGIH TLV     OSHA PEL     Other (*specify*)

Specific Engineering Controls (such as ventilation enclosed process)  
**General ventilation**

Personal Protective Equipment  
 Gloves     Respirator     Eye     Footwear     Clothing     Other

If checked, please specify type  
**Neoprene OR Rubber gloves**  
**Chemical splash goggles.**  
**Impervious**

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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

### 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? <b>Strong oxidizing agents, oxides of carbon</b>
Reactivity, and under what conditions? <b>Heated to 250°C</b>	
Hazardous Decomposition Products <b>None</b>	

### SECTION 11 - TOXICOLOGICAL INFORMATION

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

**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, monoethanolamine), Class 8, un 1719 PGIII

[DOT]

[IMO]

[ICAO]

**SECTION 15 - REGULATORY INFORMATION**

[WHMIS Classification] Class D Div 2 Materials Causing Other Toxic Effects and Class E Corrosive Materials

[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.