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MATERIAL SAFETY DATA SHEET


SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: DEGREASER H.D.		WHMIS Classification: SLIGHT	
Product Use: Degreaser & Cleaner			
Manufacturer's Name: MICRO CHEMICAL MANUFACTURING & SUPPLIES LTD.		Suppliers Name SMITH & JONES JANITORIAL SUPPLIES AND EQUIPMENT	
Street Address: 1462 E. MISSION BOULEVARD		Street Address 1 BILOXI SQUARE	
City: POMONA	Province/ State CA	City WEST COLUMBIA	State SC
Postal Code: 91766	Emergency Telephone: 1-800-535-5053	Postal Code 29170	Emergency Telephone 1-803-822-8500
Date MSDS Prepared: FEBRUARY 2010	MSDS Prepared by: MICRO CHEMICAL MANUFACTURING & SUPPLIES LTD.		Phone Number: 909-620-0949

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	3	5131-66-8	2200 mg/kg)oral, rat)	N/AV
POTASSIUM HYDROXIDE	0.5	1310-58-3	365 mg/kg (oral, rat)	N/AV
WATER	96	7732-18-5	N/AV	N/AV

SECTION 3 - HAZARDS IDENTIFICATION

Route of Entry <input checked="" type="checkbox"/> Skin Contact <input type="checkbox"/> Skin Absorption <input type="checkbox"/> Eye Contact <input type="checkbox"/> inhalation <input 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 - Sensitivity 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

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
 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 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 burns.	
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

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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, state 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 Products Regulations (CPR) and the MSDS contains all of the information required by CPR

Controlled

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.