

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION AND USE

Product Identifier: GREASE BREAKER
Product Use: POWERFUL ALKALINE CLEANER
Supplier: SHARE CANADA
Address: 1691 CHURCH AVENUE, WINNIPEG, MANITOBA R2X 2Y7
Telephone Number: (204) 633-8553 Fax: (204) 633-8453 CANUTEC: (613) 996-6666

SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS Number	Weight %	ACGIH TLV	OSHA PEL
2-Butoxyethanol	111-76-2	1 - 5%	25 ppm (skin)	50 ppm (skin)
Potassium Hydroxide	1310-58-3	5 - 15%	2 mg/m ³ C	2 mg/m ³ C
Ethoxylated Alcohols Phosphate Ester	68130-47-2	1 - 5 %	Not established.	Not established.
Modified Cocoamide DEA	67785-13-1	1 - 5 %	Not established	Not established.

SECTION III - PHYSICAL DATA

Physical State: LIQUID
Specific gravity: 1.1 pH: 13 - 14
Odour and appearance: CLEAR SLIGHT YELLOW LIQUID. DETERGENT ODOUR.
Odour threshold: Not available. Vapour pressure (mm Hg): Not available.
Vapour density (air = 1): Not available. Evaporation rate (water = 1): Not available.
% volatile by weight: 2%. Solubility in water: SOLUBLE.
Boiling Point (C⁰): Not available. Freezing Point (C⁰): Not available.
Coefficient of water/oil distribution: Not available.

SECTION IV - FIRE AND EXPLOSION DATA

Flammable or combustible: NOT FLAMMABLE **Flashpoint and method:** NONE - CLOSED CUP.
Upper flammable limit: Not applicable. **Lower flammable limit:** Not applicable.
Autoignition temperature: Not applicable. **Flammability classification:** Not applicable.
Conditions of flammability: NONE.
Means of extinction: WATER, FOAM, CARBON DIOXIDE, DRY CHEMICAL
Special fire fighting procedures: COOL DRUMS IN VICINITY OF FIRE WITH WATER FOG.
FIREFIGHTERS SHOULD BE EQUIPPED WITH FULL PROTECTIVE GEAR INCLUDING SELF-CONTAINED BREATHING APPARATUS.
Hazardous combustion products: OXIDES OF CARBON
Sensitivity to mechanical impact: NOT SENSITIVE.
Sensitivity to static discharge: NOT SENSITIVE.

SECTION V - REACTIVITY DATA

Is the product stable: YES - STABLE
Incompatible substances: STRONG ACIDS
Conditions of Reactivity: NONE
Hazardous decomposition products: THERMAL DECOMPOSITION MAY PRODUCE OXIDES OF CARBON.

PRODUCT IDENTIFIER: GREASE BREAKER

SECTION VI - TOXICOLOGICAL PROPERTIES

Primary routes of exposure: SKIN AND EYE CONTACT, SKIN ABSORPTION, INGESTION, INHALATION.

Irritant: SEVERE Carcinogen: NO - IARC / NTP

Sensitizer: YES Mutagen: NO

Reproductive effects: 2-Butoxyethanol suspected reproductive hazard in animal studies.

Synergistic products: NONE KNOWN Effects of acute exposure: Eyes: SEVERE IRRITATION, DESTRUCTION OF TISSUE, REDNESS, SWELLING AND TEARING. Skin: SEVERE IRRITATION WITH PROLONGED OR REPEATED EXPOSURE, BURNS AND DERMATITIS.

Inhalation: RESPIRATORY TRACT IRRITATION.

Ingestion: BURNS TO MUCOUS MEMBRANES, NAUSEA, CRAMPS.

SECTION VII - PREVENTION MEASURES

Gloves: CHEMICAL RESISTANT GLOVES.	Respirator: WEAR A RESPIRATOR WHERE TLVs ARE EXCEEDED	Eye protection: CHEMICAL GOGGLES OR FACE SHIELD.
Footwear: NO SPECIAL REQUIREMENTS.	Clothing: PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.	Other requirements: EYE WASH STATION AND EMERGENCY SHOWER.

Engineering Controls: LOCAL VENTILATION RECOMMENDED.

Respiratory protection: DO NOT BREATHE VAPOURS OR MISTS. USE WITH ADEQUATE VENTILATION. WEAR APPROPRIATE RESPIRATOR IF EXPOSURE LIMITS WILL BE EXCEEDED.

Leak or spill procedures: CONTAIN SPILL AND VENTILATE AREA. SOAK UP ON ABSORBANT MATERIAL AND PLACE IN A PROPERLY LABELLED CLOSED CONTAINER FOR DISPOSAL.

Waste disposal: CONSULT LOCAL ENVIRONMENTAL AUTHORITIES.

Handling and storage requirements: STORE IN A COOL DRY PLACE AWAY FROM ACIDS. DO NOT MIX WITH OTHER CLEANING COMPOUNDS. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN.

Special shipping information: CORROSIVE LIQUIDS, N.O.S. (POTASSIUM HYDROXIDE) CLASS 8 - UN1760 PACKING GROUP III

SECTION VIII - FIRST AID MEASURES

Eyes: FLUSH EYES AND UNDER EYELIDS WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES. OBTAIN MEDICAL ATTENTION.

Skin: REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE RE-USE. FLUSH AREA WITH WATER.

Ingestion: CONTACT PHYSICIAN OR POISON CONTROL CENTRE IMMEDIATELY. GIVE PERSON 1 -2 GLASSES OF WATER. DO NOT INDUCE VOMITING UNLESS TOLD TO DO SO BY A PHYSICIAN OR POISON CONTROL CENTRE. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Inhalation: REMOVE PERSON TO FRESH AIR. IF BREATHING HAS STOPPED ADMINISTER ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. OBTAIN MEDICAL ATTENTION.

SECTION IX - PREPARATION DATA

Information Sources: SUPPLIERS' MATERIAL SAFETY DATA SHEET

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