



SAFETY DATA SHEET BREAKER

1 IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

Use of Preparation: Cleaner/Degreaser

Company Identification:

Mega-Lab Manufacturing. Co. Ltd.
25 Planchet Road
Concord, ON
L4K 2C5

Company Emergency Telephone Number(s):

905-532-9000

Transportation Emergency Telephone Number(s):

CANUTEC 613-996-6666 or * 666 for cell phone

2 HAZARD IDENTIFICATION

GHS Hazards: Skin corrosion/irritation Category 1A H314

Hazard Pictograms :



GHS Label Elements, Including Precautionary Statement

Signal Word: DANGER

Hazard

Statements: Causes severe skin burns and eye damage.

Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse.

Storage: Store locked up.

Disposal: Dispose of contents/container according to local, provincial and federal regulations.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Chemical Blend

Ingredient Name	CAS#	Classification	% by Wt
Dipropylene Glycol Monomethyl Ether	34590-94-8	Flammable liquids Category 4 H227 STOT, single exposure; Respiratory tract irritation Category 3 H335	1-5
Poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy-	34398-01-1	Serious eye damage/eye irritation Category 1 H318 Acute toxicity,oral Category 4 H302 Hazardous to the aquatic environment, acute hazard Category 2 H401	1-5
Potassium Dodecylbenzene Sulphonate	27177-77-1	Skin corrosion/irritation Category 2 H315 Serious eye damage/eye irritation Category 2A H319	1-5
Potassium Hydroxide 48-50%	1310-58-3	Corrosive to Metals Category 1 H290 Acute toxicity,oral Category 4 H302 Skin corrosion/irritation Category 1A H314 Serious eye damage/eye irritation Category 1 H318	1-5
Silicic Acid, Sodium Salt	1344-09-8	Skin corrosion/irritation Category 2 H315 Serious eye damage/eye irritation Category 2A H319	1-5
Sodium Xylenesulphonate	1300-72-7	Serious eye damage/eye irritation Category 2A H319 Acute toxicity,dermal Category 5 H313	1-5
Triphosphoric acid, sodium salt (1:5)	7758-29-4	Skin corrosion/irritation Category 2 H315 Serious eye damage/eye irritation Category 2A H319 STOT, single exposure; Respiratory tract irritation Category 3 H335	1-5

4 FIRST AID MEASURES

Inhalation:	Remove victim to fresh air. If symptoms persist, call a physician.
Eye Contact:	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Consult a doctor immediately.
Skin Contact:	Flush skin with plenty of water, for at least 15 minutes, while removing contaminated clothing. Call physician immediately. Wash contaminated clothing before reuse.
Ingestion:	Immediately call physician. DO NOT induce vomiting. Give several glasses of water. Never give anything by mouth if victim is unconscious or convulsing.
Most Important Symptoms and Effects:	no available data
Notes to Physician:	Treatment based on judgment of attending physician.

5 FIRE FIGHTING MEASURES

Suitable extinguishing media:	As appropriate for burning of surrounding products
Unsuitable extinguishing media:	No data available
Special exposure hazards:	No data available
Special safety equipment:	not applicable
Fire and explosion:	Not considered to be a fire or explosive hazard
Further information:	None

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures:	Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in Sections 7 and 8
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For Non-Emergency Personnel

Protective Equipment:	Use appropriate personal protection equipment (PPE).
Emergency Procedures:	Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment:	Wear adequate personal protective equipment
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Emergency Procedures:	Stop leak if safe to do so. Ventilate area.
Environmental Precautions:	Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

Methods and Material for Containment and Cleaning Up

For Containment:	Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for Cleaning Up:	Recover and reuse as much of the product as possible.
Reference to Other Sections:	See Heading 8. Exposure controls and personal protection.

7 HANDLING AND STORAGE

Precautions for safe handling:	Product is corrosive. Avoid contact with skin, eyes and clothing. Wear proper protective equipment, including rubber gloves Wash hands thoroughly after handling.
Information about fire and explosion protection:	No special measures required.
Requirements to be met by storerooms and receptacles:	Store in a cool and dry location. Keep away from incompatible materials , (see section 10)
Information about storage in one common storage facility:	Store away from foodstuffs.
Further information about storage conditions:	Keep container tightly sealed. Plastic containers recommended.
Specific end use:	No further relevant information available.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection:	Mechanical ventilation should be adequate. Local exhaust recommended.
Hand protection:	Rubber gloves
Eye protection:	Safety glasses, or chemical goggles.
Skin protection:	Personal protective equipment comprising of suitable protective gloves, safety glasses and protective clothing
Working hygiene:	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipments to remove contaminants.
Exposure Guidelines:	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

	Dipropylene Glycol Monomethyl Ether
TWA ppm:	100
TWA mg_m³:	

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance:	clear, torquise, thin liquid
Molecular Weight:	No Data Available
Odour:	Typical
Odour Threshold:	No Data Available
pH:	13-14
Melting Point:	No Data Available
Boiling Point:	No Data Available
Flash Point:	No Data Available
Evaporation Rate (BuAc=1):	No Data Available
Flammable Limits in Air:	No Data Available
Upper Flammability Limit:	No Data Available
Lower Flammability Limit:	No Data Available
Vapour Density (Air=1):	No Data Available
Vapour Pressure:	No Data Available
Specific Gravity:	1.09-1.1
Solubility in Water:	Very Soluble
Log Pow (calculated):	No Data Available
Autoignition Temperature:	No Data Available
Decomposition Temperature:	No Data Available
Viscosity:	As Water
Solubility in other Solvents:	No Data Available
Partition Coefficient: n-octanol / Water:	No Data Available
Kinematic Viscosity:	No Data Available
Dynamic Viscosity:	No Data Available
Explosive Properties:	No Data Available
Percent Volatile by Volume:	No Data Available

10 STABILITY AND REACTIVITY

Reactivity:	Normally stable.
Chemical stability:	Stable under recommended handling and storage conditions (see section 7).
Thermal decomposition conditions to avoid:	not known
Possibility of hazardous reactions:	not known
Conditions to avoid:	Unintentional contact with water and moisture. Keep containers tightly closed, when not in use.
Hazardous decomposition products:	Caustic fumes, oxides of nitrogen, hydrogen gas.
Materials to avoid:	Strong acids, reactive metals, and ammonium salts.

Hazardous polymerization: none

11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: please see below

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Symptoms: No data available

Sensitization: No sensitizing effects known

Mutagenic Effects: No data available

Carcinogenicity: please see below

Reproductive Toxicity: No data available

STOT single exposure: No data available

STOT repeated exposure: No data available

Chronic Toxicity: No data available

Target Organ Effects: No data available

Aspiration hazard: No data available

Listed Ingredients:

Triphosphoric acid, sodium salt (1:5)	LD 50 (oral) 3120 mg/kg Rat LD 50 (dermal) > 4640 mg/kg Rabbit
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Potassium Hydroxide 48-50%	LD 50 (oral) 273 mg/kg Rat
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Poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy-	LD50 (oral) >2000 mg/kg Rat LD50 (dermal) >2000 mg/kg Rabbit
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Dipropylene Glycol Monomethyl Ether	LD50 (oral) >5000 mg/kg rat LD 50 (dermal) >9500 mg/kg Rat LC 50 (inhalation) >275 ppm (Rat, 7 hours)
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Potassium Dodecylbenzene Sulphonate

no data available

Silicic Acid, Sodium Salt

LD50 (oral) 3400 mg/kg bw Rat
LC50 (inhalation) > 2.06 g/m³ Rat
LD50 (dermal) >5000 mg/kg bw Rat

Sodium Xylenesulphonate

LD 50 (oral) 7200 mg/kg Rat
LD 50 (dermal) >2000mg/kg rabbit

12 ECOLOGICAL INFORMATION

Toxicity:	Product is corrosive. High pH (alkalinity) of material is harmful to aquatic life.
Persistence and Degradability:	No Data Available
Bioaccumulative Potential:	No Data Available
Mobility in Soil:	No Data Available
Other Information:	No Data Available
Aquatic Toxicity:	No Data Available
Toxicity to algae, fish, invertebrates:	No Data Available
Biodegradation:	No Data Available

13 DISPOSAL

Waste Disposal Recommendations:	Dispose of waste material in accordance with all local, regional, national, and international regulations.
Ecology – Waste Materials:	Avoid release to the environment.
Empty Containers:	Reuse if possible or triple rinse and dispose according to local, provincial, state and federal regulations

14 TRANSPORTATION INFORMATION

Department	Proper Shipping Name	Contains	Hazard Class	UN#	Packing Group
Canadian TDG (Road & Rail)	Corrosive Liquid, Basic, Inorganic, N.O.S.	Potassium Hydroxide Solution	8	3266	II

Please note: This shipping description is of a general nature only. It does not consider package sizes, modes of transport and other specific circumstances. Appropriate regulations should be referenced, and handling for transportation of dangerous goods/hazardous materials should be performed by trained personnel only.

15 REGULATION

OSHA/WHMIS 2015 Classification: Corrosive to Eyes and Skin

California PROP 65: no ingredients listed

Cdn Domestic Substance List (DSL): All Ingredients Listed

HMIS III Rating

Health:

Flammability:

Physical:

Personal Protection:

16 OTHER INFORMATION

Prepared by:
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Concord, ON
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(905) 532-9000

Issuing Date	Version#	Reason for Revision
May 17, 2017	1	

Disclaimer:

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However we do not assume accuracy or completeness of the information contained herein.

Final determination of the 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.

End of Safety Data Sheet