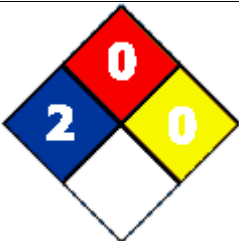



Material Safety Data Sheet

NFPA	HMIS	PPE	Transport Symbol						
	<table border="1"> <tr> <td>Health Hazard</td> <td>2*</td> </tr> <tr> <td>Fire Hazard</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> </table>	Health Hazard	2*	Fire Hazard	0	Reactivity	0		
Health Hazard	2*								
Fire Hazard	0								
Reactivity	0								

Issuing Date 12-Feb-2009

Revision Date 12-Feb-2009

Revision Number 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Formula 88 Gallon

Recommended Use Degreaser.

Supplier Address

Petruj Chemical Corp
 8055 NW 98th St, Hialeah Gardens, FL,
 33016
 US
 Phone:305-556-1271
 Fax:305-362-7273
 Contact:Adrian Garcia
 Contact Phone:1-305-556-1271
 Emergency Phone: 786-271-9800

Company Emergency Phone Number 786-271-9800

5. FIRE-FIGHTING MEASURES

Flammable Properties	Not flammable
Flash Point	Not applicable.
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
Uniform Fire Code	<ul style="list-style-type: none"> • Irritant: Liquid • Other Health Hazard: Target Organ Toxin--Liquid
Hazardous Combustion Products	Carbon oxides
<u>Explosion Data</u>	
Sensitivity to Mechanical Impact	Not sensitive.
Sensitivity to Static Discharge	Not sensitive.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

<u>NFPA</u>	Health Hazard 2	Flammability 0	Stability 0	Physical and Chemical Hazards -
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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Avoid contact with the skin and the eyes.
Environmental Precautions	Refer to protective measures listed in Sections 7 and 8
Methods for Containment	Dike to collect large liquid spills.
Methods for Cleaning Up	Dam up. Cover liquid spill with sand, earth or other noncombustible absorbent material. Take up mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice. Wear personal protective equipment. Avoid contact with skin and eyes. Do not breathe vapors or spray mist.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 240 mg/m ³ TWA: 50 ppm (vacated) TWA: 120 mg/m ³ (vacated) TWA: 25 ppm (vacated) S* S*	IDLH: 700 ppm TWA: 24 mg/m ³ TWA: 5 ppm

NIOSH IDLH: Immediately Dangerous to Life or Health

Engineering Measures

Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment

Eye/Face Protection
Skin and Body Protection
Respiratory Protection

Tightly fitting safety goggles.
Long sleeved clothing. Protective gloves.
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures

Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Red.	Odor	Slight.
Odor Threshold	No information available	Physical State	Liquid
pH	12	Autoignition Temperature	No information available
Flash Point	Not applicable.	Boiling Point/Range	99Å°C / 211Å°F
Decomposition Temperature	No information available	Explosion Limits	No information available
Melting Point/Range	No information available	Solubility	No information available
Flammability Limits in Air	No information available	Vapor Pressure	No data available
Water Solubility	Soluble in water	VOC Content	Not applicable
Evaporation Rate	No information available		
Vapor Density	No data available		
Partition Coefficient: n-octanol/water			

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Incompatible Products	Acids. Acid chlorides. Strong oxidizing agents. Strong reducing agents.
Conditions to Avoid	Extremes of temperature and direct sunlight.
Hazardous Decomposition Products	None known based on information supplied.
Hazardous Polymerization	Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information May be harmful by inhalation, ingestion, or skin absorption.

Irritation May cause eye/skin irritation (based on pH). Severe eye irritant.

LD50 Oral VALUE (mg/kg) >13000 mg/kg (rat) estimated
LD50 Dermal VALUE >5000 mg/kg (rabbit) estimated
LC50 Inhalation (VAPOR) VALUE >7500 ppm (vapor) estimated

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Butoxyethanol	470 mg/kg (Rat)	220 mg/kg (Rabbit) 2270 mg/kg (Rat)	2.21 mg/L (Rat) 4 h 450 ppm (Rat) 4 h
Sodium metasilicate	600 mg/kg (Rat)	-	-
Surfactant	-	-	-
Water	-	-	-
Acid red 14	10 g/kg (Rat)	-	-

Chronic Toxicity

Chronic Toxicity Avoid repeated exposure. Contains a known or suspected reproductive toxin.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Butoxyethanol	A3			

ACGIH: (American Conference of Governmental Industrial Hygienists)
 A3 - Animal Carcinogen

Target Organ Effects Blood, Central nervous system (CNS), Eyes, Hematopoietic System, Kidney, Liver, Respiratory system, Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Large amounts will affect pH and harm aquatic organisms.

. Ecotoxicity effects of component substances.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Butoxyethanol		LC50= 2950 mg/L Lepomis macrochirus 96 h		LC50 1698 - 1940 mg/L 24 h EC50 = 1720 mg/L 24 h
Sodium metasilicate		LC50= 210 mg/L Brachydanio rerio 96 h		EC50 = 216 mg/L 96 h

Mobility Will likely be mobile in the environment due to its water solubility.

Chemical Name	Log Pow
Butoxyethanol	25

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods	This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements
Contaminated Packaging	Dispose of in accordance with local regulations
California Hazardous Waste Codes	561

14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG/IMO</u>	Not regulated
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated
<u>ADN</u>	Not regulated

WHMIS Hazard Class
D2B Toxic materials



16. OTHER INFORMATION

Prepared By Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

Issuing Date 12-Feb-2009

Revision Date 12-Feb-2009

Revision Note No information available

Disclaimer
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End of Safety Data Sheet