

# MATERIAL SAFETY DATA SHEET

## PREMIER INDUSTRIAL SUPPLY, INC.

**Product Name:** GLASS CLEANER  
**Date Issued:** February 8, 2008

### 1. Company Identification & Chemical Product

**Product Brand Name:** Glass Cleaner  
**Product Use:**  
**Proper DOT Shipping:**  
**DOT Hazard Classification:**

#### Company Contact Information

Premier Industrial Supply, Inc.  
23040 North 11<sup>th</sup> Ave Ste 112  
Phoenix, AZ 85027

#### Emergency Telephone Number

CHEMTREC: 800-424-9300 (24 hours)  
Phone: 866-512-4583

### 2. Information on Ingredients

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>WEIGHT %</u>	<u>ACGIH TLV</u>	<u>PEL</u>	<u>STEL</u>
2-Butoxyethanol	111-76-2	3% - 5%			
Ethyl Alcohol	64-17-5	3% - 5%			
Propane	74-98-6	3% - 5%			
n-Butane	106-97-6	3% - 5%			

### 3. Hazards Identification

#### **Emergency Overview:**

CONTENTS UNDER PRESSURE.

Aerosol. Pressurized container may explode when exposed to heat or flame. May be ignited by heat, sparks, or flames. Prolonged exposure may cause chronic effects.

#### **OSHA Regulatory Status:**

This product is considered hazardous under 29 VFR 1910.1200 (Hazard Communication)

#### **SYMPTOMS OF EXPOSURE**

**Inhalation:** intentional misuse by concentrating and inhaling the product can be harmful or fatal

**Eye Contact:** Health injuries are not known or expected under normal use.

**Skin Contact:** This product may be harmful if it is absorbed through the skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash)

**Ingestion:** Exposure by ingestion of an aerosol is unlikely. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

**Target Organs:** Kidney

2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged and may cause blood damage. These effects have not been observed in humans.

Blood. Central nervous system. Liver. Respiratory system.

**Chronic effects:** Unconsciousness. Liver injury may occur. Kidney injury may occur.

**Signs and symptoms:** Cyanosis. Liver enlargement. Jaundice. Defatting of the skin. Irritation

#### 4. FIRST AID MEASURES

**Inhalation:** Call a physician if symptoms develop or persist.

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops or persists.

**Skin Contact:** immediately take off all contaminated clothing. Wash off with warm water and soap. Get medical attention if irritation develops or persists.

**Ingestion:** Rinse mouth. Do not include vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.

#### 5. FIRE FIGHTING MEASURES

##### EXTINGUISHING MEDIA

Large fires: Water spray, fog or regular foam.

Small fires: Dry chemical, CO<sub>2</sub>, water spray or regular foam

##### UNSUITABLE EXTINGUISHING MEDIA

Do not use a solid water stream as it may scatter and spread fire.

##### PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Wear full protective clothing, including helmet, self contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Containers should be cooled with water to prevent vapor pressure build up. Do not scatter spilled material with high pressure water streams.

## 6. ACCIDENTAL RELEASE MEASURES

### **Personal Precautions**

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unnecessary personnel away.

### **Methods for containment**

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable.

### **Methods for cleaning up**

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

**Handling:** Pressurized container: do not pierce or burn, even after use. Do not handle or store near an open flame, heat or other sources of ignition. Do not use if spray button is missing or defective. Use only with adequate ventilation. Do not get this material in contact with eyes. Do not get this material in contact with skin. Avoid prolonged exposure.

Level 1 Aerosol

**Storage:** Contents under pressure. Do not puncture, incinerate or crush. Avoid exposure to long periods of sunlight. Keep out of the reach of children use in care in handling/storage.

## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

### **ACGIH**

2-Butoxyethanol 20ppm

Ethyl Alcohol 1000ppm

Propane 1000ppm

n-Butane 1000pp,

### **OSHA**

2-Butoxyethanol 50ppm

Ethyl Alcohol 1000ppm

Propane 1000ppm

### **Engineering Controls:**

Ensure adequate ventilation, especially in confined areas

**Eye/Face Protection:** Not normally needed

**Skin Protection:**

Protective Gloves

**Respiratory Protection:**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**9. PHYSICAL & CHEMICAL PROPERTIES**

<b>Appearance</b>	Compressed liquefied gas
<b>Color</b>	Colorless
<b>Odor</b>	Butyl
<b>Physical State</b>	Liquid
<b>Form</b>	Aerosol
<b>Flammability (HOC)</b>	3.83 kJg/Estimated
<b>Flash Back</b>	No
<b>Pressure</b>	65-75 psig @ 70F
<b>Solubility</b>	Completely
<b>Flash Point</b>	-76 F (-60 C) estimated
<b>Boiling Point</b>	204.8 F (96.1 C) estimated
<b>Specific Gravity</b>	0.957 estimated
<b>pH</b>	9.5-10.5

**10. STABILITY AND REACTIVITY****Chemical Stability**

Stable at normal conditions

**Conditions to avoid**

Heat, flames and sparks

**Incompatible materials**

None known

**Hazardous decomposition products**

May include oxides of nitrogen

**11. TOXICOLOGICAL INFORMATION****Acute effects**

Acute LD50: 9198 mg/kg estimated, Rat, Oral

Acute LD50: 5699 mg/kg estimated, Rat, Dermal

Acute LD50: 51mg/l/4h estimated, Rat, Inhalation

**Sensitization**

Not expected to be hazardous by OSHA criteria

**Local Effects**

Liver toxicity, blood disorder may occur after ingestion.

Components of the product may be absorbed into the body through the skin.

**Chronic Effects**

Hazardous by OSHA criteria. This product may be harmful if it is absorbed through the skin. Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood. Prolonged exposure may cause chronic effects

2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged. These effects have not been observed in humans

**Sub chronic effects**

Kidney injury may occur. Blood disorder may occur after prolonged inhalation. Blood disorder may occur after prolonged skin contact.

**Neurological effects**

Not expected to be hazardous by OSHA criteria

**Mutagenicity**

Not expected to be hazardous by OSHA criteria

**Reproductive effects**

Not expected to be hazardous by OSHA criteria

**Teratogenicity**

Not expected to be hazardous by OSHA criteria

**Epidemiology**

Not expected to be hazardous by OSHA criteria

**Further Information**

Symptoms may be delayed

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

LC50 28957 mg/l estimated, Fish 96.00 hours

EC50 43419 mg/l estimated, Daphnia, 48.00 hours

IC50 12207 mg/l estimated, Algae 72.00 hours

Components of this product have been identified as having potential environmental concerns

**13. DISPOSAL CONSIDERATIONS**

**Waste Codes**

D001: Waste flammable material with a flash point <140 F

**Disposal Instructions**

Contents under pressure. Dispose of this material and its container at hazardous or special waste collection point. Incinerate the material under controlled conditions in an approve incinerator. Do not allow this material to drain into sewers/water supplies. If discarded, this product is considered a RCRA ignitable waster, D001. Dispose in accordance with all applicable regulations.

#### 14. TRANSPORT INFORMATION

##### Basic shipping requirements:

**Proper shipping name:** Consumer Commodity  
**Hazard Class** ORM –D  
**Subsidiary hazard class** None

##### Additional Information:

**Packaging exceptions** 156, 306  
**Packaging non bulk** 156, 306  
**Packaging bulk** none

##### IMDG

**Proper Shipping Name:** AEROSOLS, flammable  
**Hazard class** 2.1  
**UN Number** 1950  
**Additional Information:**  
**Packaging exceptions** LTD QTY  
**Item** 5F  
**Labels required** 2.1  
**Transport Category** 2

##### IATA

**Proper Shipping Name:** AEROSOLS, flammable  
**Hazard class** 2.1  
**UN Number** 1950  
**Additional Information:**  
**Packaging exceptions** LTD QTY

#### 15. REGULATORY INFORMATION

##### US Federal Regulations

This product is a “hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29, CFR 1910.1200.  
All components on the US EPA TSCA Inventory List.

##### Occupational Safety and Health Administration (OSHA)

**29 CFR 1910.1200 hazardous** Yes  
**Chemical**

**CERCLA (Superfund) reportable quantity** None

##### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard Categories** Immediate Hazard-Yes  
Delayed Hazard-Yes  
Fire Hazard-Yes

Pressure Hazard-Yes  
Reactivity Hazard-No

**Section 302 extremely Hazardous substance** No

**Section 311 hazardous chemical** Yes

**Inventory Status**

<b>Country(s) or region</b>	<b>Inventory Name</b>	<b>On Inventory (Yes/no)</b>
China	Inventory of existing chemical substances in China	No
Europe	European Inventory of New and Existing Chemicals	No
Europe	European List of Notified Chemical Substances	No
Japan	Inventory of Existing and New Chemical Substances	No
Korea	Existing Chemicals List	No
United States And Puerto Rico	Toxic Substances Control Act	Yes

A "yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**State Regulations**

**US-Pennsylvania-RTK (right to know list)**

2-Butoxyethanol	111-76-2	Present
Ethyl Alcohol	64-17-5	Present
Propane	74-98-6	Present
n-Butane	106-97-6	Present

**16. OTHER INFORMATION**

**HMIS Ratings** Health: 1\*  
Flammability: 1  
Physical Hazard: 0

**Prepared by** Regulatory Compliance

**Disclaimer** The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and it's not to be considered a warrant or quality specification. The information related only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified on the text

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