

MATERIAL SAFETY DATA SHEET

PREMIER INDUSTRIAL SUPPLY, INC.

Product Name: GLASS CLEANER
Date Issued: February 8, 2009

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 11th 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, CO₂, 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

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

Country(s) or region	Inventory Name	On Inventory (Yes/no)
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

Issue date 08-Feb-2009