

**PRO CHEM, INC.**

1475 BLUEGRASS LAKES PKWY.  
ALPHARETTA, GA 30004  
EMERGENCY/INFO # (800) 241-8180  
ADDITIONAL EMERGENCY # INFO TRAC 1-800-535-5053

**MATERIAL SAFETY DATA SHEET****EASY CLEAN / 1206****MAY 2012****PAGE 1**

HEALTH	*1
FLAMMABILITY	2
PHYSICAL HAZARD	0
P.P.E.	B

Complies With USDL Safety and Health Regulations, (29 CFR 1910.1200)

**SECTION 1 – Chemical and Company Identification****PRODUCT TYPE:** Baseboard stripper**SECTION 2 – Composition on Ingredients**

CHEMICAL NAME	CAS #	PERCENT
2-Butoxyethanol	111-76-2	20-30
n-Butane	106-97-8	5-8
Propane	74-98-6	1-3
Non-hazardous and other components below reportable levels		60-80

**SECTION 3 – Hazards Information****Emergency overview:** Aerosol. CONTENTS UNDER PRESSURE.

Harmful in contact with eyes. Prolonged exposure may cause chronic effects.

**Routes of exposure:** Inhalation. Eye contact. Skin contact. Ingestion.**POTENTIAL HEALTH EFFECTS:****EYES:** Contact may irritate or burn eyes. Eye contact may result in corneal injury.**SKIN:** Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.**INHALATION:** Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Prolonged inhalation may be harmful.**INGESTION:** Exposure by ingestion of an aerosol is unlikely. Components of the product may be absorbed into the body by ingestion.**TARGET ORGANS:** 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. Central nervous system. Lungs.**CHRONIC EFFECTS:** Unconsciousness. Conjunctiva. Cyanosis (blue tissue condition, nails, lips, and/or skin). May be harmful if absorbed through skin. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion and blurred vision) and/or damage. May cause delayed lung injury.**SIGNS AND SYMPTOMS:** Discomfort in the chest. Corneal damage. Narcosis. Coughing. Jaundice. Conjunctivitis. Defatting of the skin. Skin irritation.**SECTION 4 – First Aid Measures****EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.**SKIN:** Wash off with warm water and soap. Get medical attention immediately.**INHALATION:** Move to fresh air. Do not use mouth-to-mouth method if victim inhaled the substance. If inhalation of gas/fume/vapor/dust/mist from the material is excessive (air concentration is greater than the TLV or health effects are noticed), immediately remove the affected person(s) to fresh air. Call a physician if symptoms develop or persist.**INGESTION:** If ingestion of a large amount does occur, call a poison control center immediately.**Notes to physician:** Symptoms may be delayed.**SECTION 5 – Fire Fighting Measures****FLAMMABLE PROPERTIES:** Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard.**EXTINGUISHING MEDIA:****Suitable extinguishing media:** Alcohol foam. Dry chemical. Carbon dioxide (CO<sub>2</sub>).**PROTECTION OF FIREFIGHTERS:****Protective equipment and precautions of firefighters:** In case of fire and/or explosion do not breathe fumes. Containers should be cooled with water to prevent vapor pressure build up.**SECTION 6 – Accidental Release Measures****METHODS FOR CONTAINMENT:** Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk.**METHODS FOR CLEANING UP:** Should not be released into the environment. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.**Small Spills:** Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.**SECTION 7 – Handling and Storage****HANDLING:** Pressurized container. Do not pierce or burn, even after use. Do not smoke while using or until sprayed surface is thoroughly dry. Do not use if spray button is missing or defective. Do not re-use empty containers. Do not get this material in contact with eyes. Avoid contact with skin. Avoid prolonged exposure.**STORAGE:** Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Do not handle or store near an open flame, heat or other sources of ignition. Do not expose to heat or store at temperatures above 120°F/49°C as can may burst. Avoid exposure to long periods of sunlight. Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs. Level 1 Aerosol (NFPA 30B)**SECTION 8 – Exposure Controls/Personal Protection****EXPOSURE LIMITS:**

ACGIH Components	CAS#	TWA	STEL	Ceiling
2-Butoxyethanol	111-76-2	20 ppm	Not established	Not established
n-Butane	106-97-8	1000 ppm	Not established	Not established
Propane	74-98-6	1000 ppm	Not established	Not established

**OSHA**

Components	CAS#	TWA	STEL	Ceiling
2-Butoxyethanol	111-76-2	50 ppm	Not established	Not established
Propane	74-98-6	1000 ppm	Not established	Not established

**PERSONAL PROTECTIVE EQUIPMENT:****Skin protection:** Wear appropriate chemical resistant clothing.**Respiratory protection:** When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.**SECTION 9 – Physical and Chemical Properties**

<b>APPEARANCE:</b> Compressed liquefied gas	<b>BOILING POINT:</b> 255.2°F (123.9°C) estimated
<b>COLOR:</b> Brown.	<b>FLAMMABILITY (HOC):</b> 10.6737 kJ/g estimated
<b>DENSITY:</b> 0.9269 g/cm <sup>3</sup> estimated	<b>FREEZING POINT:</b> Not available
<b>FLASHBACK:</b> Yes	<b>FLASH POINT:</b> -156°F (-104.4 °C)
<b>SPECIFIC GRAVITY:</b> 0.6265 estimated	Propellant

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**FORM:** Aerosol  
**pH:** 11.5 - 12.5  
**PRESSURE:** 55-70 psig@70°F

**ODOR:** Solvent.  
**PHYSICAL STATE:** Liquid  
**SOLUBILITY:** Partially

Complies With USDL Safety and Health Regulations, (29 CFR 1910.1200)

**IATA:**

Basic shipping requirements:  
Proper shipping name: Aerosols, flammable  
Hazard class: 2.1  
UN number: 1950  
Additional information:  
Packaging exceptions: LTD QTY  
Labels required: 2.1

**SECTION 10 – Stability and Reactivity**

**CHEMICAL STABILITY:** Risk of ignition.  
**CONDITIONS TO AVOID:** Heat, flames and sparks.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** No hazardous decomposition products are known.

**SECTION 11 – Toxicological Information**

**ACUTE EFFECTS:** Acute LD50: 956 mg/kg estimated, Rat, Dermal

**COMPONENT ANALYSIS-LD50:****Toxicology Data - Selected LD50s and LC50s**

2-Butoxyethanol 111-76-2 Inhalation LC50 Rat 2.21 mg/L 4 h; Inhalation LC50 Rat 450 ppm 4 h; Oral LD50 Rat 470 mg/kg; Dermal LD50 Rat 2270 mg/kg; Dermal LD50 Rabbit 220 mg/kg

n-Butane 106-97-8 Inhalation LC50 Rat 658 mg/L 4 h

Propane 74-98-6 Inhalation LC50 Rat 658 mg/L 4 h

**SECTION 12 – Ecological Information**

**Ecotoxicity:** LC50 917 mg/L estimated, Fish, 96.00 Hours,  
EC50 1762 mg/L estimated, Daphnia, 48.00 Hours,  
IC50 196 mg/L estimated, Algae, 72.00 Hours,  
Contains a substance which causes risk of hazardous effects to the environment.

**SECTION 13 – Disposal Consideration**

**WASTE CODES:** D001: Waste Flammable material with a flash point <140 F  
D002: Waste Corrosive material [pH <=2 or >=12.5, or corrosive to steel]

**DISPOSAL INSTRUCTIONS:** Contents under pressure. Do not puncture, incinerate or crush. Dispose of this material and its container to hazardous or special waste collection point. Do not allow this material to drain into sewers/water supplies. If discarded, this product is considered a RCRA ignitable waste, D001.

**SECTION 14 – Transport Information****Department of Transportation (DOT) Requirements:****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:**

Basic shipping requirements:  
Proper shipping name: AEROSOLS  
Hazard class: 2.1  
UN number: 1950  
Additional information:  
Packaging exceptions: LTD QTY  
Labels required: None

**SECTION 15 – Regulatory Information****US FEDERAL REGULATIONS:**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**U.S. - CERCLA/SARA - Section 313 - Emission Reporting**

2-Butoxyethanol 111-76-2 1.0 % de minimis concentration (applies to R-(OCH2CH2)n-OR', where n = 1,2, or 3, R=alkyl C7 or less, or R = phenyl or alkyl substituted phenyl, R' = H or alkyl C7 or less, or OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate, Chemical Category N230)

**Occupational Safety and Health Administration (OSHA):**

29 CFR 1910.1200 hazardous chemical: YES

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 (IECSC)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

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

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**State regulations****U.S. - Pennsylvania - RTK (Right to Know) List**

2-Butoxyethanol	111-76-2	Present
n-Butane	106-97-8	Present
Propane	74-98-6	Present

**SECTION 16 – Other Information**

**Further information:** HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings:** Health: 1\*; Flammability: 2; Physical hazard: 0

**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 a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates 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 in the text. The information in the sheet was written based on the best knowledge and experience currently available.

**MSDS sections updated:** This document has undergone significant changes and should be reviewed in its entirety.

**Prepared by** Purchasing

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