





# SAFETY DATA SHEET

## 1. Product and Company Identification

<b>PRODUCT NUMBER:</b>	2268907	<b>COMPANY PHONE:</b>	1-800-241-8180
<b>PRODUCT NAME:</b>	ZIP STRIP PLUS	<b>EMERGENCY TELEPHONE:</b>	1-800-535-5053
<b>PRODUCT DESCRIPTION:</b>	No Rinse Floor Finish Remover	<b>INFOTRAC:</b>	1-800-535-5053
<b>COMPANY INFORMATION:</b>	<b>PRO CHEM, INC.</b> 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

## 2. Hazards Identification

<b>GHS CLASSIFICATION:</b> Skin corrosion - Category 1 Eye Damage - Category 1 Acute Toxicity - Oral - Category 4 Specific Target Organ Toxicity (Single exposure) - Category 3 Flammable Liquids - Category 4	<b>SIGNAL WORD:</b> <b>DANGER</b>	<b>SYMBOL:</b>		
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### HAZARD STATEMENTS:

Keep out of reach of children. Read label and SDS before use. Causes severe skin burns and eye damage. May cause respiratory irritation. Harmful if swallowed. Combustible liquid.

### PRECAUTIONARY STATEMENTS:

**Prevention:** Wash hands thoroughly after handling.

Wear protective gloves and clothing.

Wear eye and face protection.

Avoid breathing vapors. Use only in a well-ventilated area.

Keep away from flames and hot surfaces. No smoking.

Do not eat, drink or smoke when using this product.

Keep cool.

**Response:** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with soap and water/shower.

Wash contaminated clothing before reuse.

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 a physician

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or a physician.

**Storage:** Store locked up in a well-ventilated place. Keep container tightly closed.

**Disposal:** Dispose of contents and container in accordance with all local, regional and national regulations.

### HAZARDS NOT OTHERWISE SPECIFIED:

Not applicable.

## 3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
2-butoxyethanol	111-76-2	30 - 50
Monoethanolamine	141-43-5	10 - 20

## 4. First Aid Measures

### EMERGENCY OVERVIEW

DANGER. Harmful if swallowed. Causes severe skin burns and eye damage. May cause respiratory irritation.

**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 a physician.

**SKIN:** Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty of soap and water/shower. If skin irritation persists get medical attention.

### INHALATION:

Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or a doctor.

### INGESTION:

Rinse mouth. Do not induce vomiting. Seek medical attention immediately.

## 5. Fire-Fighting Measures

### SUITABLE FIRE EXTINGUISHING MEDIA:

Use water spray, fog or foam.

### SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Containers may build pressure and rupture.

### HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:

Carbon Dioxide, Carbon Monoxide

### SPECIFIC FIRE-FIGHTING METHODS:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS:

Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in a positive pressure mode.

## 6. Accidental Release Measures

### PERSONAL PRECAUTIONS:

Put on appropriate personal protective equipment (see Section 8)

### ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:

Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Eliminate all ignition sources. Disperse vapors with water spray. Prevent runoff from entering drains, sewers, streams or other bodies of water. Absorb spill with inert material. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

## 7. Handling and Storage

Do not use or store near heat, sparks or open flame. Store in a cool, dry place. Do not get in eyes, on skin or on clothing. Avoid breathing fumes. Keep out of reach of children.

## 8. Exposure Controls / Personal Protection

Monoethanolamine(141-43-5)	
OSHA PEL	3 ppm
ACGIH TLV	3 ppm

### PERSONAL PROTECTIVE EQUIPMENT:



**Eye/Face Protection:** Wear safety glasses or goggles.

**Skin Protection:** Wear impervious gloves (made from rubber, nitrile or neoprene), clothing and boots.

**Respiratory Protection:** When respiratory protection is required, use an organic vapor & particulate cartridge. All respiratory programs must meet OSHA's 29 CFR 1910.34 & ANSI Z88.2 requirements.

### ENGINEERING CONTROLS:

Good general ventilation required.

## 9. Physical & Chemical Properties

<b>Appearance:</b>	Clear Liquid.	<b>Explosive Limit Ranges</b>	Not available.
<b>Physical State:</b>	Liquid.	<b>Explosive Properties:</b>	Not available.
<b>Color:</b>	Colorless.	<b>Vapor Density:</b>	Not available.
<b>Odor:</b>	Butyl.	<b>Vapor Pressure:</b>	Not available.
<b>Odor Threshold:</b>	Not available.	<b>Relative Density:</b>	1.0
<b>pH:</b>	11-12	<b>Solubility (water):</b>	Complete.
<b>Melting/Freezing Point:</b>	Not available.	<b>Auto-Ignition Temp:</b>	Not available.
<b>Boiling Point:</b>	Not available.	<b>Decomposition Temp:</b>	Not available.
<b>Viscosity:</b>	Not available.	<b>Partition Coefficient:</b>	Not available.
<b>Flash Point:</b>	144°F	<b>VOC Content (wt. %):</b>	52
<b>Evaporation Rate:</b>	Not available.	<b>Oxidizing Properties:</b>	Not available.

## 10. Stability & Reactivity Information

### REACTIVITY:

Under normal conditions of storage and use, hazardous reactions will not occur.

### CHEMICAL STABILITY:

Stable under normal conditions.

### CONDITIONS TO AVOID:

High temperatures.

### INCOMPATIBLE MATERIALS:

Acids and strong oxidizers.

### HAZARDOUS DECOMPOSITION PRODUCTS:

CO, CO<sub>2</sub>

## 11. Toxicological Information

**PRIMARY ROUTE OF ENTRY:** Skin contact, eye contact, inhalation

### ACUTE/POTENTIAL HEALTH EFFECTS:

**EYES:** Causes severe irritation experienced as discomfort or pain, excess blinking and tear production, with redness and swelling of the conjunctiva.

**SKIN:** Brief contact may cause slight irritation. Prolonged contact may cause more severe irritation with pain, local redness and swelling and possible tissue destruction.

**INHALATION:** High vapor concentrations may be irritating to respiratory tract.

**INGESTION:** Harmful or fatal if swallowed. Corrosive. Can cause severe burns and complete tissue perforation of mucous membranes, mouth, throat and stomach.

### CHRONIC / LONG TERM EFFECTS:

2-Butoxyethanol has caused red blood cell hemolysis in lab animals and secondary injury to the liver and kidney.

### TARGET ORGAN EFFECTS:

Liver, kidney, lungs and upper respiratory tract, gastrointestinal tract, eyes, skin.

### REPRODUCTIVE/DEVELOPMENTAL INFORMATION:

No data.

### CARCINOGENIC INFORMATION:

This material is not listed as a carcinogen by IARC, NTP or OSHA.

**ACUTE TOXICITY VALUES:**  
Monoethanolamine: Oral - LD50, rat 1720 mg/Kg; Dermal - LD50, rabbit 1025 mg/Kg  
2-butoxyethanol: Ingestion - LD50, rat, 1300 mg/Kg; Dermal LD50, guinea pig 1400 mg/Kg; Inhalation - LC50, 1 hr, vapor, guinea pig > 3.1 mg/l

**12. Ecological Information**

2-butoxyethanol: EC50, Daphnia magna, static test, 48 h, immobilization: 1550 mg/l  
Monoethanolamine: Fish LC50, Pimephales promelas (fathead minnow), 227 mg/l, 96 hr.

**13. Disposal Consideration**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. See label for further instructions.

**14. Transportation Information**

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

**UN Number:** 3267

**Proper Shipping Name:** Corrosive Liquid, Basic, Organic, n.o.s. (contains Ethanolamine)

**Class:** 8

**Packing Group:** II

**15. Regulatory Information**

**Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 (40 CFR 372.65)**

**2-butoxyethanol**

If identified components of this product are **CERCLA** hazardous substances and/or listed under **Sections 302, 304, or 313 of Title III** of the Superfund Amendments and Reauthorization Act (SARA) of 1986 (also known as EPCRA, the Emergency Planning and Community Right-To-Know Act), or under **California Proposition 65** (Safe Drinking Water and Toxic Enforcement Act), they are listed above in Section 15 of this SDS.

If identified components of this product are listed under Section 313, this product contains toxic chemicals subject to the reporting requirements of Section 313. This information must be included in all SDS that are copied and distributed for this material.

**Title III Section 311/312** Hazardous Categories - 40 CFR 370.2:

ACUTE (X) Chronic (X) Fire (X) Pressure ( ) Reactive ( ) Not Applicable ( )

**T.S.C.A. Status:** All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

**RCRA Status:** Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. If this product becomes hazardous waste it would be assigned RCRA Code(s) D002

**16. Other Information**

**DISCLAIMER:**

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of 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 hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.