

# Safety Data Sheet



Protective Products Corp.,  
P.O. Box 246  
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## Section 1. Chemical Product and Company Identification

**Product Name** Crud Remover  
**Product Use** Alkaline Cleaner  
**Catalog Number** 03  
**Date of Issue** 5/20/15  
**Supersedes** -

### Emergency Telephone Numbers CHEMTREC- 1-800-424-9300

(For use only in the event of emergencies involving a spill,  
leak, fire, exposure, or accident involving chemicals)

## Section 2. Hazards Identification

### Emergency Overview

**DANGER**



### Health Hazards

Acute Toxicity Ingestion	Category 4
Acute Toxicity Inhalation	Category 4
Skin Corrosion/Irritation	Category 1
Serious eye damage/ eye irritation	Category 1

### Physical Hazards

Corrosive to Metals	Category 1
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### Precautionary Statements:

P233	Keep container tightly closed
P235+P402	Keep cool and in a dry place
P260	Do not breathe in dust, mist or vapors
P262	Do not get in eyes, on skin or on clothing
P264	Wash hands thoroughly after handling
P281	Use personal protective equipment as required

### Hazard Statements:

H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H332	Harmful if inhaled

### Routes of Entry

**Dermal, Oral, and Inhalation**

### Acute Effects:

<b>Eyes</b>	Corrosive and irritating; may cause serious eye damage, including blindness. Severity increase with duration of contact.
<b>Skin</b>	May result in destruction of skin tissue or primary irritant dermatitis.
<b>Inhalation</b>	Mist can damage affected tissue and lead to respiratory illness.
<b>Ingestion</b>	Corrosive to the mucous membranes of the mouth, throat, esophagus, and stomach. Causes burns, nausea and vomiting with gastrointestinal disorder. Can be fatal if swallowed.

**Section 3. Composition/Information on Ingredients**

<b>Name of Hazardous Ingredients</b>	<b>CAS Number</b>	<b>% by Weight</b>
Sodium Hydroxide	1310-73-2	<4
2-butoxyethanol	111-76-2	<10
Sodium Tripolyphosphate	7758-29-4	<3
Sodium Silicate	1344-09-8	<3

**Section 4. First Aid Measures**

<b>Eye Contact</b>	Flush immediately with plenty of clean water for 30 minutes, lifting eyelids. Seek immediate medical attention.
<b>Skin Contact</b>	Flush immediately with plenty of clean water. Seek medical attention.
<b>Inhalation</b>	Remove person to fresh air. Begin CPR if breathing has stopped, and seek immediate medical attention.
<b>Ingestion</b>	DO NOT induce vomiting. Seek immediate medical attention.

**Section 5. Fire Fighting Measures**

National Fire Protection Association (U.S.A)  
(estimated rating)



<b>Hazardous Combustion Products</b>	N/A
<b>Extinguishing Media</b>	Media applicable to surrounding fire
<b>Unsuitable Extinguishing Media</b>	N/A
<b>Fire Fighting Procedures</b>	Use protective equipment. Use water spray to cool fire-exposed containers.

**Section 6. Accidental Release Measures**

<b>Spill Clean Up</b>	All spilled material must be contained and kept out of waterways, sewers and drains. The spilled chemical should be absorbed with an inert material. Flush cleaned area thoroughly with water.
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**Section 7. Handling and Storage**

<b>Handling and Storage</b>	Store in a cool, dry place. Keep container tightly closed when not in use. Wash thoroughly after handling. Do not get solution on hands, skin or eyes. Do not re-use containers for any other purpose. Keep out of the reach of children. Have eyewash accessible to use in handling area.
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**Section 8. Exposure Controls/Personal Protection****Exposure Limits**

<b>Product Name</b>	<b>OSHA PEL</b>	<b>NIOSH REL</b>	<b>AIHA WEEL</b>	<b>ACGIH TLV</b>
Sodium Hydroxide (1310-73-2)	2mg/m <sup>3</sup>	2mg/m <sup>3</sup>		2mg/m <sup>3</sup>
2-butoxyethanol (111-76-2)	50ppm	5ppm		20ppm

**Engineering Controls** Use mechanical ventilation to keep below TLV and if build-up of dust or vapors is likely.

**Personal Protective Equipment (PPE)**

<b>Eyes</b>	Chemical splash goggles and face shield
<b>Body</b>	Rubber or neoprene gloves, alkali resistant suit and rubber boots
<b>Respiratory</b>	Use a NIOSH approved respirator if TLV are reached or exceeded

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid	<b>Explosive Limits</b>	N/A
<b>Color</b>	Pale Yellow	<b>Vapor Pressure</b>	N/A
<b>Odor</b>	Mild odor	<b>Vapor Density</b>	N/A
<b>Odor Threshold</b>	N/A	<b>Relative Density</b>	N/A
<b>pH</b>	12.5-13.5	<b>Solubility</b>	Complete
<b>Freezing Point</b>	N/A	<b>Partition Coefficient</b>	N/A
<b>Boiling Point</b>	>212°F	<b>Auto-Ignition Temp.</b>	N/A
<b>Flash Point</b>	Not combustible	<b>Decomposition Temp.</b>	N/A
<b>Evaporation Rate</b>	Less than 1	<b>Viscosity</b>	N/A
<b>Flammability</b>	Non-Flammable	<b>Specific Gravity</b>	1.06-1.08

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	Stable
<b>Incompatibility</b>	Strong acids and soft metals such as aluminum
<b>Hazardous Polymerization</b>	Will not occur
<b>Hazardous Decomposition Products</b>	None
<b>Conditions to Avoid</b>	Extreme heat

**Section 11. Toxicological Information**

<b>Routes of Entry</b>	Dermal, Oral and Inhalation
<b>Symptoms</b>	Causes burns
<b>Skin Irritant</b>	Yes
<b>Eye Irritant</b>	Yes
<b>Sensitizers</b>	Not determined
<b>Mutagenicity</b>	No information found
<b>Carcinogenicity</b>	2-butoxyethanol: Group 3 (not classifiable as a human carcinogen)
<b>Reproductive Toxicity</b>	No information found
<b>Target Organs</b>	See section 2

There is no toxicological data for this product as a whole. Based on relevant ingredients with known acute toxicity, the acute toxicity estimate using the additive formula (ATE) has been determined.

**Acute Toxicity**

Test	Results	Basis
<b>Dermal</b>	2,217mg/kg	ATE determined practically non-toxic
<b>Oral</b>	1,207mg/kg	ATE determined Category 4
<b>Inhalation</b>	No data	

**Section 12. Ecological Information**

**Environmental Effects** No ecological information available

**Section 13. Disposal Considerations**

**Waste Information** Dispose of in accordance with all Federal, State and Local pollution control regulations.

**Section 14. Transportation Information**

Regulatory Information	UN number	Proper Shipping Name	Classes	Packaging Group	Label Code
DOT Classification	UN1824	Sodium Hydroxide Solution	8	PGII	CORROSIVE

Note: DOT Classification applies to most packaging sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

**Section 15. Regulatory Information**

**US Federal Regulations** The following substances are listed as a toxic chemical and are subject to report under the SARA act Section 313:

2-butoxyethanol	111-76-2	<10%
Sodium Tripolyphosphate	7758-29-4	<3%

The following substances have CERCLA reportable quantity values (in pounds):

<b>Sodium Hydroxide</b>	<b>1310-73-2</b>	<b>1,000</b>
<b>State Regulations</b>	None	

**Section 16. Other Information**

Last Revision 5/20/15

The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.