

Safety Data Sheet



Protective Products Corp.,
P.O. Box 246
Johnston, IA 50131

Section 1. Chemical Product and Company Identification

Product Name Crud Remover
Product Use Heavy Duty Alkaline Cleaning
Product Code -
Date of Issue 1/08/2024
Supersedes 3/12/2018

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, when used at full strength. Dilution with water minimizes hazards.

Skin Corrosion/Irritation	Category 1
Serious eye damage/ eye irritation	Category 1

Precautionary Statements:

P260	Do not breathe in mist/vapors/spray/fumes
P264	Wash hands thoroughly after handling
P280	Wear protective gloves, clothing and eye protection
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do not induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Remove all contaminated clothing immediately. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove victim to fresh air and keep in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310	Immediately call a poison center or physician
P363	Wash all contaminated clothing before reuse
P405	Store locked up
P501	Dispose of in accordance with all federal, state and local regulations

Hazard Statements:

H314 Causes severe skin burns and eye damage

Routes of Entry Dermal, Oral, and Inhalation

Acute Effects:

Eyes	Extremely corrosive and irritating; may cause serious eye damage, including blindness. Severity increase with duration of contact.
Skin	May result in destruction of skin tissue or primary irritant dermatitis.
Inhalation	Dusts can damage affected tissue and lead to respiratory illness.
Ingestion	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

<u>Name of Hazardous Ingredients</u>	<u>CAS Number</u>	<u>% by Weight</u>
Sodium Hydroxide	1310-73-2	<4

2-butoxyethanol
Sodium Tripolyphosphate

111-76-2
7758-29-4

<10
<3

Section 4. First Aid Measures

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

Section 5. Fire Fighting Measures

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



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

Section 6. Accidental Release Measures

Spill Clean Up 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.

Section 7. Handling and Storage

Handling and Storage 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.

Section 8. Exposure Controls/Personal Protection

Exposure Limits

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

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



Personal Protective Equipment (PPE)

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

Section 9. Physical and Chemical Properties

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

Section 10. Stability and Reactivity

Stability and Reactivity	Stable
Incompatibility	Avoid aluminum, tin, zinc, brass and bronze
Hazardous Polymerization	Will not occur
Hazardous Decomposition Products	Generates hazardous mist at boiling point. Flammable hydrogen gas will be liberated upon contact with aluminum, tin, zinc, brass and bronze.
Conditions to Avoid	Extreme heat

Section 11. Toxicological Information

Routes of Entry	Dermal, Oral and Inhalation
Symptoms	Causes burns at full strength
Skin Irritant	Yes
Eye Irritant	Yes
Sensitizers	Not determined
Mutagenicity	No information found
Carcinogenicity	2-butoxyethanol (111-76-2): IARC Group 3 (not classifiable as a human carcinogen)
Reproductive Toxicity	No information found
Target Organs	None

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
Dermal	8,621 mg/kg	ATE determined beyond Category 4
Oral	4,919 mg/kg	ATE determined beyond Category 4
Inhalation	24.3 mg/l	ATE determined beyond Category 4

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	PGIII	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%

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

State Regulations None **Sodium Hydroxide 1310-73-2 1,000**

Section 16. Other Information

Last Revision 1/08/2024

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.