

SAFETY DATA SHEET



1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: High PH Presoak
 Product Use: Cleaner/Degreaser
 Not recommended for: Direct contact with food
 Generic Names/Synonyms (A.K.A.): Alkaline Presoak

Product Code: 105812-2582
 Part#: 5102

Manufacturer:

1st Ayd Corporation
 1325 Gateway Drive
 Elgin, IL 60124

For More Information Call: 847-622-0001
 (M- F / 8 AM - 4 PM)

24 Hour Emergency: 800-255-3924

2. HAZARDS IDENTIFICATION

GHS Ratings: GHS Classification Scale (1= severe hazard; 4= slight hazard)

Dermal Toxicity	Acute Tox. 4	Dermal>1000+<=2000mg/kg
Skin corrosive	1B	Destruction of dermal tissue: Exposure > 3 min. ≤ 1 hour
		Observation ≤ 14 days, visible necrosis in at least one animal
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
Reproductive toxin	2	Human or animal evidence possibly with other information

GHS Hazards

H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H361	Suspected of damaging fertility or the unborn child

GHS Precautions

GHS - Precautionary Statement(s) - Prevention

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P260	Do not breathe dust/fume/gas/mist/vapors/spray
P264	Wash exposed skin thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P321	Specific treatment (see SDS on this label)
P322	Specific measures (see SDS on this label)
P363	Wash contaminated clothing before Reuse

GHS - Precautionary Statement(s) - Response

P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off

immediately all contaminated clothing.
 Rinse skin with water/shower
 P304+P340 IF INHALED: Remove victim to fresh air
 and keep at rest in a position
 comfortable for breathing
 P305+P351+P338 IF IN EYES: Rinse continuously with
 water for several minutes. Remove
 contact lenses if present and easy to
 do – continue rinsing
 P308+P313 IF exposed or concerned: Get medical
 advice/attention

GHS - Precautionary Statement(s) – Storage

P405 Store locked up

GHS - Precautionary Statement(s) - Disposal

P501 Dispose of contents/container in
 accordance with applicable local, regional,
 national, and/or international regulations.

Danger

ACCUTE TOXICITY: Corrosive effects. May cause temporary blindness and severe eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
2-Butoxyethanol 111-76-2 < 8 %	50 ppm TWA; 240 mg/m3 TWA	20 ppm TWA	NIOSH: 5 ppm TWA; 24 mg/m3 TWA
Sodium hydroxide 1310-73-2 <10 %	2 mg/m3 TWA	2 mg/m3 Ceiling	N/A
Trade Secret/Proprietary Blend < 16 %	N/A	N/A	N/A
Water 7732-18-5 Balance %	N/A	N/A	N/A

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret: As per paragraph (i) of 29 CFR 1910.1200, formulation could be considered a trade secret and specific chemical identity and exact percentage (concentration) of composition may have been withheld. Specific chemical identity and exact percentage composition will be provided to health professionals, employees, or designated representatives in accordance with applicable provisions of paragraph (i).

4. FIRST-AID MEASURES

IF INHALED: Administer oxygen if breathing is difficult. Do not use mouth-to-mouth method if victim inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Give artificial respiration if victim is not breathing. Move victim to fresh air.

IF ON SKIN (or hair): For minor skin contact, avoid spreading material on unaffected skin. In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing and shoes. If skin irritation or a rash occurs: Get medical advice/attention

IF IN EYES: In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. Remove contact lenses if present and easy to do - continue rinsing. Get medical advice/attention

IF SWALLOWED: Rinse mouth with water (only if the person is conscious) Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician

Protection of First-Aiders: Protect yourself by avoiding contact with this material. Avoid contact with skin and eyes. Do not breathe vapors or spray mist. Do not ingest. Use personal protective equipment. Refer to Section 8 for specific personal protective equipment recommendations. At minimum, treating personnel should utilize PPE sufficient for prevention of bloodborne pathogen transmission.

Medical Conditions Aggravated by Exposure: May aggravate preexisting conditions such as: eye disorders that decrease tear production or have reduced integrity of the eye; skin disorders that compromise the integrity of the skin; and respiratory conditions including asthma and other breathing disorders.

5. FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS: Product is not flammable. Flash Point: N/A UEL: N/A LEL: N/A

EXTINGUISHING MEDIA: Use an extinguishing agent suitable for the surrounding fire.

UNUSUAL/GENERAL/EXPL. FIRE HAZARDS: None known.

HAZARDOUS COMBUSTION PRODUCTS: Under fire conditions toxic fumes should be anticipated.

FIRE FIGHTING: See also Stability and Reactivity section.

FIRE EQUIPMENT: Wear self-contained, approved breathing apparatus and full protective clothing (including eye protection and boots).

6. ACCIDENTAL RELEASE MEASURES

SPILL/LEAK: Follow your companies established procedures for reporting and/or responding to Chemical incidents. No action shall be taken involving any personal risk or without suitable training.

SMALL SPILL: Stop leak if without risk. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Dispose of all waste and cleanup materials in accordance with regulations.

LARGE SPILL: No action shall be taken involving any personal risk or without suitable training.

Stop leak if without risk. Prevent spillage from entering drains and/or waterways. Absorb in dry sand or earth and place into containers. Any release to the environment may be subject to federal/national or local reporting requirements. Remaining material may be diluted with water and neutralized with dilute acid, then absorbed and collected. Flush spill area with water, if appropriate.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS: No special precautions are necessary beyond normal good hygiene practices. See Section 8 of the MSDS for additional personal protection advice when handling this product.

STORAGE: Keep container closed when not in use. Protect from excessive heat and/or freezing.

REGULATORY: Do not store in unlabeled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
2-Butoxyethanol 111-76-2 < 8 %	50 ppm TWA; 240 mg/m3 TWA	20 ppm TWA	NIOSH: 5 ppm TWA; 24 mg/m3 TWA
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ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

VENTILATION: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

ADMINISTRATIVE CONTROLS: No action shall be taken involving any personal risk or without suitable training.

PROTECTIVE GEAR:

It is a good industrial hygiene practice to minimize skin and eye contact.

Eye protection: Wear safety goggles if eye contact is possible (face shield recommended if splashing is possible).

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products (if a risk assessment indicates this is necessary).

Body Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved.

CONTAMINATED GEAR: Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

Appearance: Amber Liquid

Auto-ignition temperature: No Data Available

Decomposition temperature: No Data Available

Viscosity: No Data Available

Grams VOC less water: No Data Available

Odor: No Data Available

Vapor Pressure: No Data Available
Vapor Density: No Data Available
Specific Gravity: No Data Available
Freezing point: No Data Available
Boiling range: No Data Available
Evaporation rate: No Data Available
Explosive Limits: No Data Available

Odor threshold: No Data Available
pH: > 12.5
Melting point: No Data Available
Solubility: No Data Available
Flash point: No Data Available
Flammability: No Data Available
Partition coefficient: No Data Available
(n-octanol/water)

10. STABILITY AND REACTIVITY

Reactivity: Soluble in water, releasing heat. Reacts with metals, and may form hydrogen gas.

Incompatibilities/ Materials to Avoid: Acids and halogenated compounds. Prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys.

Hazardous Decomposition Products: Toxic fumes of sodium oxide

Hazardous Polymerization: Will not occur.

NOTE: Product is stable under normal conditions of storage and handling. Store in a cool, dry place to maintain product performance.

11. TOXICOLOGICAL INFORMATION

Mixture Toxicity

Oral Toxicity LD50: 4,911mg/kg
Dermal Toxicity LD50: 1,156mg/kg

Component Toxicity:

2-Butoxyethanol: Oral LD50 Rat 470 mg/kg (Source: NLM_CIP); Dermal LD50 Rabbit 99 mg/kg (Source: JAPAN_GHS); Inhalation LC50 Rat 450 ppm 4 h (Source: NLM_CIP)

Sodium hydroxide: Dermal LD50 Rabbit 1350 mg/kg (Source: IUCLID)

TOXICITY: When in solution, this material will affect all tissues with which it comes in contact. The severity of the tissue damage is a function of its concentration, the length of tissue contact time, and local tissue conditions. After exposure there may be a time delay before irritation and other effects occur. This material is a strong irritant and is corrosive to the skin, eyes, and mucus membranes. This material may cause severe burns and permanent damage to any tissue with which it comes into contact.

Eye contact: Corrosive. Causes serious eye damage which can result in: severe irritation, pain and burns, and permanent damage including blindness.

Skin contact: Corrosive. Causes severe skin burns. Prolonged or repeat skin exposures can result in dermatitis.

Inhalation: Corrosive. Inhalation injury may result from ingestion and/or aspiration of this material. May cause severe irritation of the respiratory tract with potential airway compromise, coughing, choking, pain, and burns of the mucus membrane and respiratory system. This material can be extremely destructive to the tissue of the mucus membranes and respiratory system. Aspiration may cause chemical pneumonitis, pulmonary edema, damage to lung tissue, death.

Ingestion: Corrosive. If swallowed, may cause severe oral and esophageal, mucus membrane, and gastrointestinal burns and possible perforation. If swallowed, may pose a lung aspiration hazard during vomiting.

Chronic Effects: Repeated or prolonged skin contact may result in dermatitis.

Note: The component toxicity data is populated by the LOLI database and may differ from the product toxicity data given.

TARGET ORGANS: Blood / Eyes / Kidneys / Liver / Central Nervous System / Skin / Respiratory System

Information on likely routes of exposure:

Potential Exists: Inhalation / Ingestion / Skin contact / Eye contact

This material has been defined as a hazardous chemical under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

12. ECOLOGICAL INFORMATION

The information given is based on data available for the material, the components of the material, and similar materials (if known).

Aquatic Toxicity:

This material has exhibited moderate toxicity to aquatic organisms.

Component Eco-toxicity

Sodium hydroxide	96 Hr LC50 Oncorhynchus mykiss: 45.4 mg/L [static]
2-Butoxyethanol	96 Hr LC50 Lepomis macrochirus: 1490 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 2950 mg/L 48 Hr EC50 Daphnia magna: >1000 mg/L

13. DISPOSAL CONSIDERATIONS

If this product becomes a waste, it may likely meet the criteria of a hazardous waste as defined under 40 CFR 261. D002: Waste Corrosive material [pH <=2 or >=12.5, or corrosive to steel/aluminum]

Always dispose of in accordance with Federal, State, and Local regulations.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. TRANSPORTATION INFORMATION

Important Note: The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation. As shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin / destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

For small quantities packed in combination packaging, exceptions may apply.

For emergency transportation information, in the United States: call CHEMTREC at 800-424-9300

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
DOT (US)	Compounds, cleaning liquid (Sodium Hydroxide, Sodium Metasilicate)	NA 1760	PG II	8

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

OSHA REGULATORY STATUS: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

United States inventory (TSCA): All components are listed or exempted.

DEPARTMENT OF HOMELAND SECURITY (DHS)- Chemical Facility Anti-Terrorism Standards (6 CFR 27):
No components in this material are regulated under DHS

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A) - Not regulated.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section

SARA 311/312 Hazards : Acute Health Hazard
Chronic Health Hazard

SARA 313 Components: The following listed components (if any are listed) are subject to the Supplier Notification Requirement found in 40 CFR 372.45 (c 4); a part of Title III of the Superfund Amendments and Reauthorization Act of 1986. SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

111-76-2 (N230) 2-Butoxyethanol < 10%

US. EPA CERCLA Hazardous Substances (40 CFR 302) - Not regulated.

The following chemicals are reportable under Pennsylvania Right to Know:

1310-73-2 Sodium hydroxide

111-76-2 2-Butoxyethanol

16. OTHER INFORMATION

Hazardous Material Information System (HMIS)

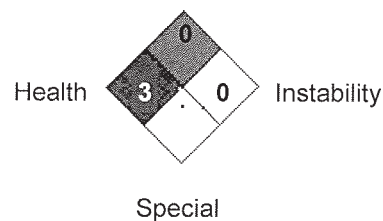
HMIS & NFPA Hazard Rating

HEALTH	*	3
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION	X	

Legend
* = Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH
4 = EXTREME

National Fire Protection Association (NFPA)

Flammability



Date Prepared: 6/16/2015

Date revised: 2015-06-16

Reviewer Revision 7

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