



## Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

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### Action Presoak (High pH)

#### SECTION 1: Identification

##### Product identifier

**Product name:** Action Presoak (High pH)

**Product code:** AT-102

##### Recommended use of the product and restriction on use

**Relevant identified uses:** High pH Presoak

**Uses advised against:** NA

**Reasons why uses advised against:** Not determined or not applicable.

##### Manufacturer or supplier details

###### Manufacturer:

###### United States

JBS Industries

2550 Henkle Drive

Lebanon, Ohio 45036

513-228-2800

SBAETEN@JBSINDUSTRIES.COM

##### Emergency telephone number:

###### North America

CHEMTREC

800-424-9300 (24 hours)

#### SECTION 2: Hazard(s) identification

##### GHS classification:

Skin corrosion, category 1A

Serious eye damage, category 1

Carcinogenicity, category 2

Specific target organ toxicity - repeated exposure, category 2

##### Label elements

###### Hazard pictograms:



**Signal word:** Danger

##### Hazard statements:

H314 Causes severe skin burns and eye damage

H318 Causes serious eye damage

H351 Suspected of causing cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

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### Precautionary statements:

P260 Do not breathe dust/fume/gas/mist/vapors/spray  
P264 Wash contaminated area thoroughly with soap and water after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P202 Do not handle until all safety precautions have been read and understood  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
P363 Wash contaminated clothing before reuse  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P310 Immediately call a POISON CENTER/doctor if difficulty in breathing occurs.  
P305+P351+P338 IF IN EYES: Rinse cautiously 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  
P314 Get medical advice/attention if you feel unwell  
P405 Store locked up

**Hazards not otherwise classified:** None

## SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 1310-58-3	Potassium hydroxide	<20
CAS number: 68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides	<20
CAS number: Proprietary	Cationic/Nonionic Surfactant Blend	<20
CAS number: 64-02-8	Tetrasodium ethylenediamine tetraacetate	<10
CAS number: 111-76-2	2-Butoxyethanol	<20
CAS number: 9004-82-4	2-dodecoxyethyl hydrogen sulfate	<15
CAS number: 68131-39-5	Alcohols, C12-15, ethoxylated	<10
CAS number: 1300-72-7	Sodium xylenesulfonate	<10

**Additional Information:** None

## SECTION 4: First aid measures

### Description of first aid measures

#### General notes:

Show this Safety Data Sheet to attending Medical Professional

#### After inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at

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rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If symptoms develop or persist, seek medical advice/attention

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention

#### After skin contact:

Treatment is urgent. Seek emergency medical treatment. Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention

#### After eye contact:

Immediately rinse eyes with plenty of gently flowing lukewarm water for 15 minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. Seek immediate medical attention, preferably from an ophthalmologist

Immediately rinse eyes with plenty of gently flowing lukewarm water for 15 minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. Seek immediate medical attention, preferably from an ophthalmologist

Rinse eyes with plenty of water for several minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention

Rinse eyes with plenty of water for several minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention

#### After swallowing:

If Swallowed, DO NOT induce vomiting unless directed otherwise by a medical professional. Rinse mouth with water. Never give anything to an unconscious person. Seek medical attention

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. Seek immediate medical attention

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention

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If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention

#### Most important symptoms and effects, both acute and delayed

##### Acute symptoms and effects:

Exposure to skin may result in redness, pain, burning, inflammation and tissue damage. Exposure to eyes may result in irritation, redness, pain, inflammation, itching, burning and tearing. Exposure via inhalation may result in cough, sore throat, burning sensation and shortness of breath. Exposure via ingestion may result in burns of the mouth and throat, abdominal pain, burning sensation in the throat and chest, nausea, vomiting, shock or collapse

Symptoms may include irritation, redness, pain, inflammation, itching, burning, tearing, corneal damage and loss of vision

##### Delayed symptoms and effects:

Effects are dependent on exposure (dose, concentration, contact time)

Effects are dependent on exposure (dose, concentration, contact time)

Suspected of causing cancer. Effects are dependent on exposure (dose, concentration, contact time)

May cause damage to organs through prolonged or repeated exposure

#### Immediate medical attention and special treatment

##### Specific treatment:

Not determined or not applicable.

##### Notes for the doctor:

Treat symptomatically

### SECTION 5: Firefighting measures

#### Extinguishing media

##### Suitable extinguishing media:

Alcohol- resistant foam, Dry chemical or Carbon dioxide

##### Unsuitable extinguishing media:

None known

#### Specific hazards during fire-fighting:

Evacuate all personnel to a predetermined safe location, no less than 2,500 feet in all directions. Can explode or detonate under fire conditions. Burning material may produce toxic vapors

#### Special protective equipment for firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA)

#### Special precautions:

Avoid inhaling gases, fumes, mist, dust, vapor or aerosols. Avoid contact with eyes, skin, hair or clothing

### SECTION 6: Accidental release measures

#### Personal precautions, protective equipment and emergency procedures:

Wear appropriate personal protective equipment as specified in Section 8. Keep unnecessary and unprotected personnel from entering

Isolate and post spill area. Remove all sources of ignition. Ventilate the area. Wear suitable protective clothing, gloves and eye/face protection. For personal protection see section 8

#### Environmental precautions:

Avoid release to the environment. Prevent soil and water pollution. Prevent spreading in sewers. Notify

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authorities if product enters sewers or public waters

Avoid discharge into drains, water courses or onto the ground. Prevent further leakage if safe to do so.

Inform authorities if spill cannot be contained

Keep material out of lakes, streams, ponds, and sewer drains

### Methods and material for containment and cleaning up:

Carefully sweep material into a designated PLASTIC waste container. Collect in plastic containers only  
Vaccum or sweep up material and place into a suitable disposal container. Wear a self-contained breathing apparatus and appropriate personal protection. Provide ventilation

Clean and neutralize spill area, tools and equipment by washing with water and soap. Absorb, restate and add to the collected waste. Waste must be classified and labeled prior to recycling or disposal. Dispose of waste as indicated in Section 13

### Reference to other sections:

For further information refer to section 7 and section 13

For personal protection see section 8

## SECTION 7: Handling and storage

### Precautions for safe handling:

Avoid breathing dust/ fume/ gas/mist/vapors/spray. Keep away from all sources of ignition. Avoid contact with skin and eyes.

Avoid contact with skin, eyes, and clothing. Follow good hygiene procedures when handling chemical materials. Refer to Section 8. Follow proper disposal methods. Refer to Section 13. Do not eat, drink, smoke, or use personal products when handling chemical substances.

### Conditions for safe storage, including any incompatibilities:

Store in cool and dry location and out of direct sunlight. Store away from sources of heat or ignition. Store away from incompatible materials described in Section 10. Keep containers closed when not in use. Keep away from food and beverages. Protect from freezing and physical damage.

## SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

### Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	Potassium hydroxide	1310-58-3	TWA: 2 mg/m <sup>3</sup>
	2-Butoxyethanol	111-76-2	TWA: 20 ppm
NIOSH	Potassium hydroxide	1310-58-3	REL: 2 mg/m <sup>3</sup>
	2-Butoxyethanol	111-76-2	IDLH: 700 ppm
	2-Butoxyethanol	111-76-2	TWA: 5 ppm
WEEL	Cationic/Nonionic Surfactant Blend	Proprietary	TWA: 10 mg/m <sup>3</sup> (Aerosol)
OSHA	2-Butoxyethanol	111-76-2	TWA: 50 ppm
	2-Butoxyethanol	111-76-2	TWA: 240 mg/m <sup>3</sup>

### Biological limit values:

No biological exposure limits noted for the ingredient(s).

### Information on monitoring procedures:

Not determined or not applicable.

### Appropriate engineering controls:

Effective ventilation in all processing areas.

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### Personal protection equipment

#### Eye and face protection:

Safety goggles or safety glasses with side shields

#### Skin and body protection:

Chemical resistant clothing and gloves

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory protection

### General hygienic measures:

Handle in accordance with good industrial hygiene and safety measures. Wash hands and face after handling chemical products. Wash hands before eating, drinking and smoking. Wash hands at the end of the workday. Appropriate techniques should be applied to remove contaminated clothing and shoes. Wash contaminated clothing before reuse.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance	Liquid
Odor	Std.
Odor threshold	Not determined or not available.
pH	14
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	Not determined or not available.
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	Not determined or not available.
Relative density	Not determined or not available.
Solubilities	Not determined or not available.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

### Other information

## SECTION 10: Stability and reactivity

### Reactivity:

Does not react under normal conditions of use and storage.

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### Chemical stability:

Stable under normal storage and handling conditions.

### Possibility of hazardous reactions:

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

### Conditions to avoid:

Incompatible materials.

### Incompatible materials:

Strong oxidizing agents.

### Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### Acute toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

#### Substance data:

Name	Route	Result
Potassium hydroxide	oral	LD50 Rat: 333 mg/kg
Tetrasodium ethylenediamine tetraacetate	oral	LD50 mouse: 1210 mg/kg
2-Butoxyethanol	oral	LD50 Rat: 470 mg/kg
	dermal	LD50 Rabbit: 220 mg/kg
	inhalation	LC50 Rat: 450 ppmV (4H)

### Skin corrosion/irritation

#### Assessment:

Causes severe skin burns and eye damage.

#### Product data:

No data available.

#### Substance data:

Name	Result
Potassium hydroxide	Causes severe skin burns.
2-Butoxyethanol	Causes skin irritation
2-dodecoxyethyl hydrogen sulfate	Causes skin irritation.
Sodium xylenesulfonate	Causes skin irritation.

### Serious eye damage/irritation

#### Assessment:

Causes serious eye damage.

#### Product data:

No data available.

#### Substance data:

Name	Result
D-Glucopyranose, oligomers, decyl octyl glycosides	Causes serious eye damage.

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Name	Result
Tetrasodium ethylenediamine tetraacetate	Causes serious eye damage.
2-Butoxyethanol	Causes eye irritation
2-dodecoxyethyl hydrogen sulfate	Causes serious eye irritation.
Sodium xylenesulfonate	Causes serious eye irritation.

### Respiratory or skin sensitization

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:**

Name	Result
2-Butoxyethanol	Eye irritation - 24 h
	Skin irritation - 20 h

### Carcinogenicity

**Assessment:**

Suspected of causing cancer.

**Product data:** No data available.

**Substance data:** No data available.

**International Agency for Research on Cancer (IARC):**

Name	Classification
2-Butoxyethanol	Group 3

**National Toxicology Program (NTP):** None of the ingredients are listed.

### Germ cell mutagenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Reproductive toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:**

Name	Result
2-Butoxyethanol	Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.

### Specific target organ toxicity (single exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:**

Name	Result
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Name	Result
Sodium xylenesulfonate	May cause respiratory irritation.

### Specific target organ toxicity (repeated exposure)

**Assessment:**

May cause damage to organs through prolonged or repeated exposure.

**Product data:**

No data available.

**Substance data:** No data available.

### Aspiration toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

### Information on likely routes of exposure:

No data available.

### Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

**Other information:**

No data available.

## SECTION 12: Ecological information

### Acute (short-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

Name	Result
2-Butoxyethanol	EC50 Daphnia magna (Water flea): 1,550 mg/L (48 h)

### Chronic (long-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

Name	Result
Alcohols, C12-15, ethoxylated	NOEC Fathead minnow: 0.16 mg/L (10 days)

### Persistence and degradability

**Product data:** No data available.

**Substance data:**

Name	Result
D-Glucopyranose, oligomers, decyl octyl glycosides	Readily biodegradable.
Tetrasodium ethylenediamine tetraacetate	Biodegradable, but not ready biodegradable.
Alcohols, C12-15, ethoxylated	Readily biodegradable.

### Bioaccumulative potential

**Product data:** No data available.

**Substance data:**

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Name	Result
Tetrasodium ethylenediamine tetraacetate	The projected equilibrium BCF values were similar to those observed in the plateau test and, again, serve to emphasize the extremely low bioconcentration potential of EDTA.

### Mobility in soil

**Product data:** No data available.

#### Substance data:

Name	Result
Tetrasodium ethylenediamine tetraacetate	The extent of absorption of EDTA on container walls and humic acid, silica, kaolin, river sediment and humus solids was measured and was found to be negligible.

**Other adverse effects:** No data available.

## SECTION 13: Disposal considerations


### Disposal methods:

It is the responsibility of the waste generator to characterize all waste materials according to applicable regulatory entities

**Contaminated packages:** Not determined or not applicable.

## SECTION 14: Transport information

### United States Transportation of dangerous goods (49 CFR DOT)

UN number	1814
UN proper shipping name	Potassium Hydroxide, Solution
UN transport hazard class(es)	8 
Packing group	II
Environmental hazards	None
Special precautions for user	None

### International Maritime Dangerous Goods (IMDG)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

### International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None

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Special precautions for user	None
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## SECTION 15: Regulatory information

### United States regulations

#### Inventory listing (TSCA):

1310-58-3	Potassium hydroxide	Listed
68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides	Listed
64-02-8	Tetrasodium ethylenediamine tetraacetate	Listed
111-76-2	2-Butoxyethanol	Listed
9004-82-4	2-dodecoxyethyl hydrogen sulfate	Listed
1300-72-7	Sodium xylenesulfonate	Listed

#### Significant New Use Rule (TSCA Section 5):

111-76-2	2-Butoxyethanol	Listed
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Export notification under TSCA Section 12(b): Not determined.

SARA Section 302 extremely hazardous substances: Not determined.

#### SARA Section 313 toxic chemicals:

1310-58-3	Potassium hydroxide	Not Listed
68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides	Not Listed
64-02-8	Tetrasodium ethylenediamine tetraacetate	Not Listed
111-76-2	2-Butoxyethanol	Not Listed
9004-82-4	2-dodecoxyethyl hydrogen sulfate	Not Listed
1300-72-7	Sodium xylenesulfonate	Not Listed

#### CERCLA:

1310-58-3	Potassium hydroxide	Listed	1000 lb
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RCRA: Not determined.

Section 112(r) of the Clean Air Act (CAA): Not determined.

#### Massachusetts Right to Know:

1310-58-3	Potassium hydroxide	Listed
68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides	Not Listed
64-02-8	Tetrasodium ethylenediamine tetraacetate	Not Listed
111-76-2	2-Butoxyethanol	Listed
9004-82-4	2-dodecoxyethyl hydrogen sulfate	Not Listed
1300-72-7	Sodium xylenesulfonate	Not Listed

#### New Jersey Right to Know:

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1310-58-3	Potassium hydroxide	Listed
68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides	Not Listed
64-02-8	Tetrasodium ethylenediamine tetraacetate	Listed
111-76-2	2-Butoxyethanol	Listed
9004-82-4	2-dodecoxyethyl hydrogen sulfate	Not Listed
1300-72-7	Sodium xylenesulfonate	Not Listed

### New York Right to Know:

1310-58-3	Potassium hydroxide	Listed
68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides	Not Listed
64-02-8	Tetrasodium ethylenediamine tetraacetate	Not Listed
111-76-2	2-Butoxyethanol	Listed
9004-82-4	2-dodecoxyethyl hydrogen sulfate	Not Listed
1300-72-7	Sodium xylenesulfonate	Not Listed

### Pennsylvania Right to Know:

1310-58-3	Potassium hydroxide	Listed
68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides	Not Listed
64-02-8	Tetrasodium ethylenediamine tetraacetate	Listed
111-76-2	2-Butoxyethanol	Listed
9004-82-4	2-dodecoxyethyl hydrogen sulfate	Not Listed
1300-72-7	Sodium xylenesulfonate	Not Listed

**California Proposition 65:** None of the ingredients are listed.

## SECTION 16: Other information

**Abbreviations and Acronyms:** None

### Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal 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, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**NFPA:** 0-0-0

**HMIS:** 0-0-0

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**End of Safety Data Sheet**