



Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 03.22.2019

Page 1 of 12

Low pH Pre-soak

SECTION 1: Identification

Product identifier

Product name: Low pH Pre-soak

Product code: CPS-100

Recommended use of the product and restriction on use

Relevant identified uses: Presoak, Liquid Detergent

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 1B

Serious eye damage, category 1

Carcinogenicity, category 1A

Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements:

H314 Causes severe skin burns and eye damage

H318 Causes serious eye damage

H350 May cause cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

Precautionary statements:

P260 Do not breathe dust/fume/gas/mist/vapors/spray

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 03.22.2019

Page 2 of 12

Low pH Pre-soak

P264 Wash contaminated area thoroughly 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
P405 Store locked up
P501 It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities.

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 7664-38-2	Phosphoric Acid	1-20
CAS number: 111-76-2	2-Butoxyethanol	1-10
CAS number: 1341-49-7	Ammonium hydrogendifluoride	1-5
CAS number: 68584-22-5	Benzenesulfonic acid, C10-16-alkyl derivatives	1-15
CAS number: 1300-72-7	Sodium xylenesulfonate	0.4-5
CAS number: 68131-40-8	Alcohols, secondary C11-15, ethoxylated	0.26-3.8
CAS number: 84133-50-6	Alcohols, C12-14-secondary, ethoxylated	0.26-4
CAS number: 68131-39-5	Alcohols, C12-15, ethoxylated	0.1105-1.6 15

Additional Information: None

SECTION 4: First aid measures

Description of first aid measures

General notes:

Show this Safety Data Sheet to the doctor in attendance
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After inhalation:

If inhaled, removed person to fresh air. Keep person at rest. If symptoms persist, seek medical advice
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Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 03.22.2019

Page 3 of 12

Low pH Pre-soak

If inhaled, move to fresh air. Get medical attention if symptoms persist

After skin contact:

Wash off immediately with soap and plenty of water while removing contaminated clothing and shoes. Continue rinsing for at least 15 minutes. See a physician if irritation persists

Wash off immediately with soap and plenty of water while removing contaminated clothing and shoes. Continue rinsing for at least 15 minutes. See a physician if irritation persists

Wash off immediately with soap and plenty of water while removing contaminated clothing and shoes. See a physician if irritation persists

After eye contact:

Immediately flush eyes, under eyelids with water for 15 minutes. Remove contact lenses, if present to do so. Protect unexposed eye. Continue rinsing on the way to hospital

Immediately flush eyes, under eyelids with water for 15 minutes. Remove contact lenses, if present to do so. Protect unexposed eye. Continue rinsing on the way to hospital

Immediately flush eyes, under eyelids with water for 15 minutes. Remove contact lenses, if present to do so. Protect unexposed eye. Continue rinsing on the way to hospital

After swallowing:

If swallowed, DO NOT induce vomiting unless told to do so by physician or poison control center. Rinse mouth with water. Never give anything to drink to an unconscious person. Seek medical advice

If swallowed, DO NOT induce vomiting unless told to do so by physician or poison control center. Rinse mouth with water. Never give anything to drink to an unconscious person. Seek medical advice

If swallowed, DO NOT induce vomiting unless told to do so by physician or poison control center. Rinse mouth with water. Never give anything to drink to an unconscious person. Seek medical advice

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Symptoms may include blistering, irritation, burns and pain. Effects are dependent on exposure (dose, concentration, contact time)

Symptoms may include blistering, irritation, burns and pain. Effects are dependent on exposure (dose, concentration, contact time)

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Delayed symptoms and effects:

Symptoms of poisoning may appear several hours later

Symptoms of poisoning may appear several hours later

Symptoms of poisoning may appear several hours later. Chronic effects are delayed and symptoms may not be observed during an exposure.

Immediate medical attention and special treatment

Specific treatment:

None known

None known

None known

Notes for the doctor:

Treat symptomatically

Treat symptomatically

Treat symptomatically

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Alcohol- resistant foam, Dry chemical or Carbon dioxide

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 03.22.2019

Page 4 of 12

Low pH Pre-soak

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

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS

Environmental precautions:

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

Methods and material for containment and cleaning up:

Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal

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

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.

Wear gloves and eye protection when handling, moving or using this product. Do not contaminate water, food, or feed by storage or disposal.

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, dry place and keep container tightly closed. Do not store in direct sunlight.

Store in a cool, dry, well ventilated place. Store away from sources of heat or ignition. Store away from incompatible materials described in Section 10. Keep containers closed when not in use

Store in cool location. Keep away from food and beverages. Protect from freezing and physical damage.

Provide ventilation for containers. Keep container tightly sealed. Store away from incompatible materials.

SECTION 8: Exposure controls/personal protection

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 03.22.2019

Page 5 of 12

Low pH Pre-soak

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
OSHA	2-Butoxyethanol	111-76-2	TWA: 50 ppm
	2-Butoxyethanol	111-76-2	TWA: 240 mg/m ³
	Ammonium hydrogendifluoride	1341-49-7	8-Hour TWA: 2.5 mg/m ³
NIOSH	2-Butoxyethanol	111-76-2	IDLH: 700 ppm
	2-Butoxyethanol	111-76-2	TWA: 5 ppm
	Ammonium hydrogendifluoride	1341-49-7	REL: 2.5 mg/m ³ (10 hours)
	Ammonium hydrogendifluoride	1341-49-7	IDLH: 250 mg/m ³
ACGIH	2-Butoxyethanol	111-76-2	TWA: 20 ppm
	Ammonium hydrogendifluoride	1341-49-7	8-Hour TWA: 2.5 mg/m ³

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.

Personal protection equipment

Eye and face protection:

Safety glasses

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	2
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.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 03.22.2019

Page 6 of 12

Low pH Pre-soak

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.

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
2-Butoxyethanol	oral	LD50 Rat: 470 mg/kg
	dermal	LD50 Rabbit: 220 mg/kg
	inhalation	LC50 Rat: 450 ppmV (4H)
Ammonium hydrogendifluoride	oral	LD50 Rat: 130 mg/kg
Benzenesulfonic acid, C10-16-alkyl derivatives	inhalation	LC50 Rat: 1.9 mg/L (4 Hr)
	dermal	LD50 Rabbit: 5000 mg/kg

Skin corrosion/irritation

Assessment:

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 03.22.2019

Page 7 of 12

Low pH Pre-soak

Causes severe skin burns and eye damage.

Product data:

No data available.

Substance data:

Name	Result
Phosphoric Acid	Causes severe skin burns.
2-Butoxyethanol	Causes skin irritation
Ammonium hydrogendifluoride	Causes severe skin burns and eye damage.
Benzenesulfonic acid, C10-16-alkyl derivatives	Causes severe skins burns and eye damage.
Sodium xylenesulfonate	Causes skin irritation.
Alcohols, C12-14-secondary, ethoxylated	Causes skin irritation.

Serious eye damage/irritation

Assessment:

Causes serious eye damage.

Product data:

No data available.

Substance data:

Name	Result
2-Butoxyethanol	Causes eye irritation
Benzenesulfonic acid, C10-16-alkyl derivatives	Causes serious eye damage.
Sodium xylenesulfonate	Causes serious eye irritation.
Alcohols, C12-14-secondary, ethoxylated	Causes serious eye damage.

Respiratory or skin sensitization

Assessment:

May cause an allergic skin reaction.

Product data:

No data available.

Substance data:

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

Carcinogenicity

Assessment:

May cause 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.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 03.22.2019

Page 8 of 12

Low pH Pre-soak

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
Sodium xylenesulfonate	May cause respiratory irritation.

Specific target organ toxicity (repeated exposure)

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

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	

Chronic (long-term) toxicity

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

Product data: No data available.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 03.22.2019

Page 9 of 12

Low pH Pre-soak

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
Benzenesulfonic acid, C10-16-alkyl derivatives	Under test conditions no biodegradation observed.
Alcohols, C12-15, ethoxylated	Readily biodegradable.

Bioaccumulative potential

Product data: No data available.

Substance data: No data available.

Mobility in soil

Product data: No data available.

Substance data: No data available.

Other adverse effects: No data available.


SECTION 13: Disposal considerations

Disposal methods:

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

SECTION 14: Transport information

United States Transportation of dangerous goods (49 CFR DOT)

UN number	UN1760
UN proper shipping name	Corrosive Liquid N.O.S. (Phosphoric Acid, Sulfonic Acid)
UN transport hazard class(es)	8 
Packing group	III
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

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 03.22.2019

Page 10 of 12

Low pH Pre-soak

UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

7664-38-2	Phosphoric Acid	Listed
111-76-2	2-Butoxyethanol	Listed
1341-49-7	Ammonium hydrogendifluoride	Listed
68584-22-5	Benzenesulfonic acid, C10-16-alkyl derivatives	Listed
1300-72-7	Sodium xylenesulfonate	Listed
68131-40-8	Alcohols, secondary C11-15, ethoxylated	Listed
84133-50-6	Alcohols, C12-14-secondary, ethoxylated	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:

7664-38-2	Phosphoric Acid	Not Listed
111-76-2	2-Butoxyethanol	Not Listed
1341-49-7	Ammonium hydrogendifluoride	Not Listed
68584-22-5	Benzenesulfonic acid, C10-16-alkyl derivatives	Not Listed
1300-72-7	Sodium xylenesulfonate	Not Listed
	Alcohols, secondary C11-15, ethoxylated	Not Listed
84133-50-6	Alcohols, C12-14-secondary, ethoxylated	Not Listed

CERCLA:

7664-38-2	Phosphoric Acid	Listed	5000
1341-49-7	Ammonium hydrogendifluoride	Listed	100 Lbs

RCRA: Not determined.

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

Massachusetts Right to Know:

7664-38-2	Phosphoric Acid	Listed
111-76-2	2-Butoxyethanol	Listed
1341-49-7	Ammonium hydrogendifluoride	Listed
68584-22-5	Benzenesulfonic acid, C10-16-alkyl derivatives	Not Listed

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 03.22.2019

Page 11 of 12

Low pH Pre-soak

1300-72-7	Sodium xylenesulfonate	Not Listed
	Alcohols, secondary C11-15, ethoxylated	Not Listed
84133-50-6	Alcohols, C12-14-secondary, ethoxylated	Not Listed

New Jersey Right to Know:

7664-38-2	Phosphoric Acid	Listed
111-76-2	2-Butoxyethanol	Listed
1341-49-7	Ammonium hydrogendifluoride	Listed
68584-22-5	Benzenesulfonic acid, C10-16-alkyl derivatives	Not Listed
1300-72-7	Sodium xylenesulfonate	Not Listed
	Alcohols, secondary C11-15, ethoxylated	Not Listed
84133-50-6	Alcohols, C12-14-secondary, ethoxylated	Not Listed

New York Right to Know:

7664-38-2	Phosphoric Acid	Listed
111-76-2	2-Butoxyethanol	Listed
1341-49-7	Ammonium hydrogendifluoride	Listed
68584-22-5	Benzenesulfonic acid, C10-16-alkyl derivatives	Not Listed
1300-72-7	Sodium xylenesulfonate	Not Listed
	Alcohols, secondary C11-15, ethoxylated	Not Listed
84133-50-6	Alcohols, C12-14-secondary, ethoxylated	Not Listed

Pennsylvania Right to Know:

7664-38-2	Phosphoric Acid	Listed
111-76-2	2-Butoxyethanol	Listed
1341-49-7	Ammonium hydrogendifluoride	Listed
68584-22-5	Benzenesulfonic acid, C10-16-alkyl derivatives	Not Listed
1300-72-7	Sodium xylenesulfonate	Not Listed
	Alcohols, secondary C11-15, ethoxylated	Not Listed
84133-50-6	Alcohols, C12-14-secondary, ethoxylated	Not Listed

California Proposition 65: None of the ingredients are listed.

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 03.22.2019

Page 12 of 12

Low pH Pre-soak

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