



## Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 04.22.2019

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### Low pH Wheel and Tire HPC

#### SECTION 1: Identification

##### Product identifier

**Product name:** Low pH Wheel and Tire HPC

**Product code:** CPS-502

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

**Relevant identified uses:** Liquid Foam and Tire and Wheel Cleaner

**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

##### Label elements

###### Hazard pictograms:



**Signal word:** Danger

##### Hazard statements:

H314 Causes severe skin burns and eye damage

H318 Causes serious eye damage

##### Precautionary statements:

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

P264 Wash contaminated area thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

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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 characterize all waste according to applicable regulatory entities.

**Hazards not otherwise classified:** None

## SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 1341-49-7	Ammonium hydrogendifluoride	1-15
CAS number: 7664-38-2	Phosphoric Acid	1-10
CAS number: 7647-01-0	Hydrochloric acid	1-40
CAS number: 68131-40-8	Alcohols, secondary C11-15, ethoxylated	0.26-10
CAS number: 84133-50-6	Alcohols, C12-14-secondary, ethoxylated	1-10
CAS number: 68131-39-5	Alcohols, C12-15, ethoxylated	1-10
CAS number: 127087-87-0	4-Nonylphenol, branched, ethoxylated	0.9-10
CAS number: 111-76-2	2-Butoxyethanol	1-9.95
CAS number: 61792-31-2	N-[3-(dimethylamino)propyl]dodecanamide N-oxide	1-5
CAS number: 67806-10-4	N-[3-(dimethylamino)propyl]myristamide N-oxide	1-5

**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

#### After inhalation:

If inhaled, remove person to fresh air. Keep person at rest. If symptoms persist, seek medical advice

#### After skin contact:

Wash off immediately with soap and plenty of water while removing contaminated clothing and shoes.

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Continue rinsing for at least 15 minutes. 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

### 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

### 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)

#### Delayed symptoms and effects:

Symptoms of poisoning may appear several hours later

### Immediate medical attention and special treatment

#### Specific treatment:

None known

#### 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

### 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

### 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

### Reference to other sections:

For further information refer to section 7 and section 13

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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.

#### 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

### 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	Ammonium hydrogendifluoride	1341-49-7	8-Hour TWA: 2.5 mg/m <sup>3</sup>
	Hydrochloric acid	7647-01-0	Short Term Limit Value: 2 ppm
	2-Butoxyethanol	111-76-2	TWA: 20 ppm
NIOSH	Ammonium hydrogendifluoride	1341-49-7	REL: 2.5 mg/m <sup>3</sup> (10 hours)
	Ammonium hydrogendifluoride	1341-49-7	IDLH: 250 mg/m <sup>3</sup>
	Hydrochloric acid	7647-01-0	REL: 5 ppm
	Hydrochloric acid	7647-01-0	REL: 7 mg/m <sup>3</sup>
	2-Butoxyethanol	111-76-2	IDLH: 700 ppm
	2-Butoxyethanol	111-76-2	TWA: 5 ppm
OSHA	Ammonium hydrogendifluoride	1341-49-7	8-Hour TWA: 2.5 mg/m <sup>3</sup>
	Hydrochloric acid	7647-01-0	PEL: 5 ppm
	Hydrochloric acid	7647-01-0	PEL: 7 mg/m <sup>3</sup>
	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.

#### Personal protection equipment

##### Eye and face protection:

Tightly fitting safety goggles

##### Skin and body protection:

Chemical resistant clothing and gloves

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory protection

#### General hygienic measures:

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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.
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:

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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
Ammonium hydrogendifluoride	oral	LD50 Rat: 130 mg/kg
4-Nonylphenol, branched, ethoxylated	oral	LD50 Rat: 657.2 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
Ammonium hydrogendifluoride	Causes severe skin burns and eye damage.
Phosphoric Acid	Causes severe skin burns.
Hydrochloric acid	Causes severe skin burns and eye damage.
Alcohols, C12-14-secondary, ethoxylated	Causes skin irritation.
2-Butoxyethanol	Causes skin irritation
N-[3-(dimethylamino)propyl]dodecanamide N-oxide	Causes skin irritation.
N-[3-(dimethylamino)propyl]myristamide N-oxide	Causes skin irritation.

#### Serious eye damage/irritation

##### Assessment:

Causes serious eye damage.

##### Product data:

No data available.

##### Substance data:

Name	Result
Alcohols, C12-14-secondary, ethoxylated	Causes serious eye damage.
4-Nonylphenol, branched, ethoxylated	Causes serious eye irritation.
2-Butoxyethanol	Causes eye irritation

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Name	Result
N-[3-(dimethylamino)propyl]dodecanamide N-oxide	Causes serious eye damage.
N-[3-(dimethylamino)propyl]myristamide N-oxide	Causes serious eye damage.

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

**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
Hydrochloric acid	May cause respiratory irritation.

### Specific target organ toxicity (repeated exposure)

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

**Product data:**

No data available.

**Substance data:**

Name	Result
N-[3-(dimethylamino)propyl]myristamide N-oxide	May cause damage to spleen through prolonged or repeated oral exposure.

### 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
Alcohols, C12-15, ethoxylated	Readily biodegradable.
4-Nonylphenol, branched, ethoxylated	Substance is not biodegradable.

### Bioaccumulative potential

**Product data:** No data available.

**Substance data:**

Name	Result
4-Nonylphenol, branched, ethoxylated	Substance is not expected to bioaccumulate in the food chain.

### Mobility in soil



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**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 characterize all waste according to applicable regulatory entities

## SECTION 14: Transport information

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

<b>UN number</b>	1760
<b>UN proper shipping name</b>	Corrosive Liquid N.O.S., (Phosphoric Acid, Ammonium Bi-fluoride)
<b>UN transport hazard class(es)</b>	8 
<b>Packing group</b>	III
<b>Environmental hazards</b>	None
<b>Special precautions for user</b>	None

### International Maritime Dangerous Goods (IMDG)

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

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

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

## SECTION 15: Regulatory information

### United States regulations

#### Inventory listing (TSCA):

1341-49-7	Ammonium hydrogendifluoride	Listed
7664-38-2	Phosphoric Acid	Listed
7647-01-0	Hydrochloric acid	Listed
68131-40-8	Alcohols, secondary C11-15, ethoxylated	Listed

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84133-50-6	Alcohols, C12-14-secondary, ethoxylated	Listed
127087-87-0	4-Nonylphenol, branched, ethoxylated	Listed
111-76-2	2-Butoxyethanol	Listed
61792-31-2	N-[3-(dimethylamino)propyl]dodecanamide N-oxide	Listed
67806-10-4	N-[3-(dimethylamino)propyl]myristamide N-oxide	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:

1341-49-7	Ammonium hydrogendifluoride	Not Listed
7664-38-2	Phosphoric Acid	Not Listed
7647-01-0	Hydrochloric acid	Not Listed
	Alcohols, secondary C11-15, ethoxylated	Not Listed
84133-50-6	Alcohols, C12-14-secondary, ethoxylated	Not Listed
127087-87-0	4-Nonylphenol, branched, ethoxylated	Listed
111-76-2	2-Butoxyethanol	Not Listed
61792-31-2	N-[3-(dimethylamino)propyl]dodecanamide N-oxide	Not Listed
67806-10-4	N-[3-(dimethylamino)propyl]myristamide N-oxide	Not Listed

#### CERCLA:

1341-49-7	Ammonium hydrogendifluoride	Listed	100 Lbs
7664-38-2	Phosphoric Acid	Listed	5000
7647-01-0	Hydrochloric acid	Listed	

**RCRA:** Not determined.

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

#### Massachusetts Right to Know:

1341-49-7	Ammonium hydrogendifluoride	Listed
7664-38-2	Phosphoric Acid	Listed
7647-01-0	Hydrochloric acid	Not Listed
	Alcohols, secondary C11-15, ethoxylated	Not Listed
84133-50-6	Alcohols, C12-14-secondary, ethoxylated	Not Listed
127087-87-0	4-Nonylphenol, branched, ethoxylated	Not Listed
111-76-2	2-Butoxyethanol	Listed
61792-31-2	N-[3-(dimethylamino)propyl]dodecanamide N-oxide	Not Listed

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67806-10-4	N-[3-(dimethylamino)propyl]myristamide N-oxide	Not Listed
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### New Jersey Right to Know:

1341-49-7	Ammonium hydrogendifluoride	Listed
7664-38-2	Phosphoric Acid	Listed
7647-01-0	Hydrochloric acid	Not Listed
	Alcohols, secondary C11-15, ethoxylated	Not Listed
84133-50-6	Alcohols, C12-14-secondary, ethoxylated	Not Listed
127087-87-0	4-Nonylphenol, branched, ethoxylated	Not Listed
111-76-2	2-Butoxyethanol	Listed
61792-31-2	N-[3-(dimethylamino)propyl]dodecanamide N-oxide	Not Listed
67806-10-4	N-[3-(dimethylamino)propyl]myristamide N-oxide	Not Listed

### New York Right to Know:

1341-49-7	Ammonium hydrogendifluoride	Listed
7664-38-2	Phosphoric Acid	Listed
7647-01-0	Hydrochloric acid	Not Listed
	Alcohols, secondary C11-15, ethoxylated	Not Listed
84133-50-6	Alcohols, C12-14-secondary, ethoxylated	Not Listed
127087-87-0	4-Nonylphenol, branched, ethoxylated	Not Listed
111-76-2	2-Butoxyethanol	Listed
61792-31-2	N-[3-(dimethylamino)propyl]dodecanamide N-oxide	Not Listed
67806-10-4	N-[3-(dimethylamino)propyl]myristamide N-oxide	Not Listed

### Pennsylvania Right to Know:

1341-49-7	Ammonium hydrogendifluoride	Listed
7664-38-2	Phosphoric Acid	Listed
7647-01-0	Hydrochloric acid	Not Listed
	Alcohols, secondary C11-15, ethoxylated	Not Listed
84133-50-6	Alcohols, C12-14-secondary, ethoxylated	Not Listed
127087-87-0	4-Nonylphenol, branched, ethoxylated	Not Listed
111-76-2	2-Butoxyethanol	Listed
61792-31-2	N-[3-(dimethylamino)propyl]dodecanamide N-oxide	Not Listed

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67806-10-4	N-[3-(dimethylamino)propyl]myristamide N-oxide	Not Listed
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**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**