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**1. PRODUCT AND COMPANY IDENTIFICATION****1.1 Product identifiers**

Product name : Phosphate buffered saline with 0.1% Triton X-100

Product Number : PB1001

CAS-No. : 7558-79-4; 7647-14-5; 9002-93-1

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses : Laboratory chemicals, Manufacture of substances

**1.3 Details of the supplier of the safety data sheet**Company : Gojira Fine Chemicals, LLC  
5386 Majestic Parkway, Suite 7  
Bedford Heights, OH 44146 USA

Telephone : 440-252-5397

Email : [docsupport@gojira<sup>fc</sup>.com](mailto:docsupport@gojira<sup>fc</sup>.com)

Fax : 888-211-5523

**1.1 Emergency telephone number**

Emergency Phone # : 800-255-3924 (Chem-Tel, Contract# MIS7318160)

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**2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Not classified

**2.2 GHS Label elements, including precautionary statements**

No labelling applicable

**2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none**

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Not applicable

Full text of H-phrases. See Section 16.

#### 3.2 Mixture

Name	Product identifier	%	GHS-US classification
Water	(CAS No) 7732-18-5	99.02	Not classified
Sodium Chloride	(CAS No) 7647-14-5	0.7	Not classified
Sodium Phosphate, Monobasic, tertiary- Octylphenoxy(ethoxyethanol)	(CAS No) 9036-19-5	0.1	Skin Irrit. 2, H315 Eye
Potassium Chloride	(CAS No) 7447-40-7	0.02	Not classified

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### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

##### General advice

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

##### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

##### In case of skin contact

Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

##### In case of eye contact

Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

##### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Do not induce vomiting. Consult a physician.

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

Not expected to present a significant hazard under anticipated normal conditions of use.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Obtain medical assistance.

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### 5. FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

Suitable extinguishing media

#### 5.2 Use water spray, alcohol-resistant foam, dry chemical, carbon dioxide or sand.

#### 5.3 Special hazards arising from the substance or mixture

No additional information available.

#### 5.4 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

#### 5.5 Further information

no data available

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## 6. ACCIDENTAL RELEASE MEASURES

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

Safety glasses. Gloves.

For emergency responders: Equip cleanup crew with proper protection. Ventilate area.

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Notify authorities if liquid enters drains or sewers.

### 6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For exposure controls and personal protection see section 8.

For disposal see section 13.

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## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Wash hands and other exposed areas after use.

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

Keep container tightly closed when not in use.

Strong oxidizers and direct sunlight.

### 7.3 Specific end use(s)

No additional information available.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Ensure adequate ventilation.

#### Personal protective equipment

Avoid all unnecessary exposure

#### Hand protection

Wear protective gloves

#### Eye protection

Chemical goggles or safety glasses.

#### Respiratory protection

Wear appropriate mask.

#### Other information

Do not eat, drink or smoke during use.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

a) Appearance	Form: liquid Colour: colorless
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	7.4
e) Melting point/freezing point	no data available
f) Initial boiling point and boiling range	no data available
g) Flash point	no data available
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	1.0 g/mL
n) Water solubility	soluble in water
o) Partition coefficient: n-octanol/water	no data available
p) Auto-ignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties	no data available
t) Oxidizing properties	no data available

### 9.2 Other safety information

no data available

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## 10.1 STABILITY AND REACTIVITY

### 10.2 Reactivity

no data available

### 10.3 Chemical stability

Stable under recommended storage conditions.

### 10.4 Possibility of hazardous reactions

no data available

### 10.5 Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

## 10.6 Incompatible materials

Strong oxidizing agents,

## 10.7 Hazardous decomposition products

Hydrogen chloride. Carbon monoxide. Carbon dioxide

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## 11 TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

Not classified

<b>Sodium Chloride (7647-14-5)</b>	
LD50 oral rat	3000 mg/kg
LD50 dermal rat	10000 mg/kg
<b>Sodium Phosphate, Monobasic, Anhydrous (7558-80-7)</b>	
LD50 oral rat	8290 mg/kg
<b>Water (7732-18-5)</b>	
LD50 oral rat	90000 mg/kg
<b>Potassium Chloride (7447-40-7)</b>	
LD50 oral rat	2600 mg/kg
<b>tertiary-Octylphenoxypoly(ethoxyethanol) (9036-19-5)</b>	
LD50 oral rat	4190 mg/kg
LD50 dermal rat	>3000 mg/kg

#### Skin corrosion/irritation

Not classified pH 7.4

#### Serious eye damage/eye irritation

Not classified pH 7.4

#### Respiratory or skin sensitisation

No data available

#### Germ cell mutagenicity

No data available

#### Carcinogenicity

Not classified

#### Reproductive toxicity

no data available

no data available

#### Specific target organ toxicity - single exposure

no data available

#### Specific target organ toxicity - repeated exposure

no data available

#### Aspiration hazard

no data available

#### Additional Information

RTECS: MD0907700

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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## 12 ECOLOGICAL INFORMATION

### 12.1 Toxicity

<b>Sodium Chloride (7647-14-5)</b>	
LC50 fishes 1	7650 mg/l
EC50 Daphnia 1	1000 mg/l
<b>Potassium Chloride (7447-40-7)</b>	
EC50 Daphnia 1	825 mg/l
<b>tertiary-Octylphenoxypoly(ethoxyethanol) (9036-19-5)</b>	
Threshold limit algae 1	10 mg/l (336 h; Lemna sp.; Biomass)

### 12.2 Persistence and degradability

Not established for any component in the mixture

### 12.3 Bioaccumulative potential

no data available

### 12.4 Mobility in soil

no data available

### 12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

### 12.6 Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Toxic to aquatic life with long lasting effects.

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## 13 DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Product

Dispose in a safe manner in accordance with local/national regulations..

#### Ecology – waste materials

Avoid release to the environment

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## 14 TRANSPORT INFORMATION

### DOT (US)

Not regulated

### IMDG

Not regulated

### IATA

Not regulated

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## 15 REGULATORY INFORMATION

### 15.1 US federal regulations

**Sodium Chloride (7647-14-5)** is listed on the United States TSCA (Toxic Substances Control Act) inventory.

**Water (7732-18-5)** is listed on the United States TSCA (Toxic Substances Control Act) inventory.

**Potassium Chloride (7447-40-7)** is listed on the United States TSCA (Toxic Substances Control Act) inventory.

**tertiary-Octylphenoxypoly(ethoxyethanol) (9036-19-5)** is listed on the United States TSCA (Toxic Substances Control Act) inventory.

### 15.2.1 International regulations

Canada

**Phosphate Buffered Saline Without Kathon** - Uncontobled product according to WHMIS classification criteria

**Sodium Chloride (7647-14-5)** is listed on the Canadian DSL (Domestic Substances List) inventory. Uncontrolled product according to WHMIS classification criteria.

**Water (7732-18-5)** is listed on the Canadian DSL (Domestic Substances List) inventory. Uncontrolled product according to WHMIS classification criteria.

**Potassium Chloride (7447-40-7)** is listed on the Canadian DSL (Domestic Substances List) inventory. Uncontrolled product according to WHMIS classification criteria.

**tertiary-Octylphenoxypoly(ethoxyethanol) (9036-19-5)** is listed on the Canadian DSL (Domestic Substances List) inventory.

EU regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

### 15.2.2 National regulations

**Sodium Chloride (7647-14-5)** is not listed on the Canadian Ingredient Disclosure List.

**Water (7732-18-5)** is not listed on the Canadian Ingredient Disclosure List.

**Potassium Chloride (7447-40-7)** is not listed on the Canadian Ingredient Disclosure List.

**tertiary-Octylphenoxypoly(ethoxyethanol) (9036-19-5)** is not listed on the Canadian Ingredient Disclosure List.

### 15.2 US state regulations

No additional information available

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## 16 OTHER INFORMATION

Other information            None.

### Full text of H-Statements referred to under sections 2 and 3.

Eye Irrit., 2A            Serious eye damage/eye irritation, Category 2A

Skin irrit., 2            Skin corrosion/irritation, Category 2

H315                    Causes skin irritation

H319                    Causes serious eye irritation.

### HMIS Rating

Health hazard:            1

Chronic Health Hazard:

Flammability:            0

Physical Hazard            0

### NFPA Rating

Health hazard:            1

Fire Hazard:            0

Reactivity Hazard:        0

### Further information

The above information is believed to be accurate and represents the best information currently available to Gojira Fine Chemicals. However, we make no warranty or merchantability or any other warranty, express or Implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Gojira Fine Chemicals be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Gojira Fine Chemicals has been advised of the possibility of such damages.

