1. IDENTIFICATION

Product identifier
Product Name pH Storage Solution

Other means of identification
Product Code(s) 2756549

Safety data sheet number M01702

Recommended use of the chemical and restrictions on use
Recommended Use Laboratory reagent. Electrode storage solution.
Uses advised against None.
Restrictions on use None.

Details of the supplier of the safety data sheet

Manufacturer Address
Hach Company P.O.Box 389 Loveland, CO 80539 USA +1(970) 669-3050

Emergency telephone number
+1(303) 623-5716 - 24 Hour Service +1(515)232-2533 - 8am - 4pm CST

2. HAZARDS IDENTIFICATION

Classification

Regulatory Status
This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Hazards not otherwise classified (HNOC)
Not applicable

Label elements

Hazard statements

The product contains no substances which at their given concentration, are considered to be hazardous to health

Other Information
Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS
Percent ranges are used where confidential product information is applicable.

### Chemical name | CAS No. | Percent Range | HMRIC #
--- | --- | --- | ---
Phosphoric acid, potassium salt (1:1) | 7778-77-0 | <1% | -
Sodium phosphate dibasic | 7558-79-4 | <0.1% | -
Glutaraldehyde | 111-30-8 | <0.1% | -

### Description of first aid measures

#### General advice
No hazards which require special first aid measures. Use first aid treatment according to the nature of the injury.

#### Inhalation
Remove to fresh air.

#### Eye contact
Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

#### Skin contact
Wash skin with soap and water.

#### Ingestion
Clean mouth with water and drink afterwards plenty of water.

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

#### Symptoms
See Section 11 for additional Toxicological Information.

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

Note to physicians: Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Unsuitable Extinguishing Media
Caution: Use of water spray when fighting fire may be inefficient.

#### Specific hazards arising from the chemical
No information available.

#### Hazardous combustion products
This material will not burn.

#### Special protective equipment for fire-fighters
Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.
6. ACCIDENTAL RELEASE MEASURES

U.S. Notice
Only persons properly qualified to respond to an emergency involving hazardous substances may respond to a spill according to federal regulations (OSHA 29 CFR 1910.120(a)(v)) and per your company's emergency response plan and guidelines/procedures. See Section 13, Special Instructions for disposal assistance. Outside of the US, only persons properly qualified according to state or local regulations should respond to a spill involving chemicals.

Personal precautions, protective equipment and emergency procedures

Personal precautions
Ensure adequate ventilation.

Environmental precautions
See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment
Prevent further leakage or spillage if safe to do so.

Methods for cleaning up
Pick up and transfer to properly labeled containers.

Prevention of secondary hazards
Clean contaminated objects and areas thoroughly observing environmental regulations.

Reference to other sections
See section 8 for more information. See section 13 for more information.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling
Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep containers tightly closed in a dry, cool and well-ventilated place.

Flammability class
Not applicable

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glutaraldehyde</td>
<td>Ceiling: 0.05 ppm</td>
<td>(vacated) Ceiling: 0.2 ppm</td>
<td>Ceiling: 0.2 ppm</td>
</tr>
<tr>
<td>CAS#: 111-30-8</td>
<td></td>
<td>(vacated) Ceiling: 0.8 mg/m³</td>
<td>Ceiling: 0.8 mg/m³</td>
</tr>
</tbody>
</table>

Appropriate engineering controls

Engineering Controls
Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment
Respiratory protection  No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hand Protection  Wear suitable gloves.

Eye/face protection  Wear safety glasses with side shields (or goggles).

Skin and body protection  No special protective equipment required.

General Hygiene Considerations  Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls  Local authorities should be advised if significant spillages cannot be contained. Do not allow into any sewer, on the ground or into any body of water.

Thermal hazards  None under normal processing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>aqueous solution clear</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>colorless</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
<td></td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Molecular weight</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>6.4</td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>~ -49 °C / -56 °F</td>
<td>Estimation based on theoretical calculation</td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>~ 113 °C / 235 °F</td>
<td>Estimation based on theoretical calculation</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>0.87 (water = 1)</td>
<td>Estimation based on theoretical calculation</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>16.502 mm Hg / 2.2 kPa at 20 °C / 68 °F</td>
<td>Estimation based on theoretical calculation</td>
</tr>
<tr>
<td>Vapor density (air = 1)</td>
<td>0.62</td>
<td></td>
</tr>
<tr>
<td>Specific gravity (water = 1 / air = 1)</td>
<td>1.15</td>
<td>Estimation based on theoretical calculation</td>
</tr>
<tr>
<td>Partition Coefficient (n-octanol/water)</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Soil Organic Carbon-Water Partition Coefficient</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Water solubility

<table>
<thead>
<tr>
<th>Water solubility classification</th>
<th>Water solubility</th>
<th>Water Solubility Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soluble</td>
<td>&gt; 1000 mg/L</td>
<td>25 °C / 77 °F</td>
</tr>
</tbody>
</table>

Solubility in other solvents

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Solubility classification</th>
<th>Solubility</th>
<th>Solubility Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acid</td>
<td>Soluble</td>
<td>&gt; 1000 mg/L</td>
<td>25 °C / 77 °F</td>
</tr>
</tbody>
</table>

Other Information

Metal Corrosivity

Steel Corrosion Rate: No data available
Aluminum Corrosion Rate: No data available

Volatile Organic Compounds (VOC) Content
See ingredients information below

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No.</th>
<th>Volatile organic compounds (VOC) content</th>
<th>CAA (Clean Air Act)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid, potassium salt (1:1)</td>
<td>7778-77-0</td>
<td>No data available</td>
<td>-</td>
</tr>
<tr>
<td>Sodium phosphate dibasic</td>
<td>7558-79-4</td>
<td>No data available</td>
<td>-</td>
</tr>
<tr>
<td>Glutaraldehyde</td>
<td>111-30-8</td>
<td>No data available</td>
<td>-</td>
</tr>
</tbody>
</table>

Explosive properties

Upper explosion limit: No data available
Lower explosion limit: No data available

Flammable properties

Flash point: No data available
Method: No information available

Flammability Limit in Air
Upper flammability limit: No data available
Lower flammability limit: No data available

Oxidizing properties
No data available.

Bulk density
Not applicable

Particle Size: No information available

Particle Size Distribution: No information available

10. STABILITY AND REACTIVITY

Reactivity
Not applicable.

Chemical stability
Stability: Stable under normal conditions.

Explosion data
Sensitivity to Mechanical Impact: None
Sensitivity to Static Discharge: None.

Possibility of Hazardous Reactions
Possibility of Hazardous Reactions: None under normal processing.

Hazardous polymerization
None under normal processing.

Conditions to avoid
Conditions to avoid: None known based on information supplied.

Incompatible materials
Incompatible materials: Strong oxidizing agents, strong acids, and strong bases.

Hazardous Decomposition Products
Chlorides. Potassium oxide.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure
Product Information

Inhalation: No known effect based on information supplied.
Eye contact: No known effect based on information supplied.
Skin contact: No known effect based on information supplied.
Ingestion: No known effect based on information supplied.

Symptoms: No information available.

Aggravated Medical Conditions: None known.

Toxicologically synergistic products: None known.

Toxicokinetics, metabolism and distribution: See ingredients information below.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Toxicokinetics, metabolism and distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium phosphate dibasic</td>
<td>Phosphates are widely utilized by cells for metabolism of proteins, fats and carbohydrates.</td>
</tr>
<tr>
<td>(&lt;0.1%)</td>
<td></td>
</tr>
<tr>
<td>CAS#: 7558-79-4</td>
<td></td>
</tr>
</tbody>
</table>

Product Acute Toxicity Data

Oral Exposure Route: No data available
Dermal Exposure Route: No data available
Inhalation (Dust/Mist) Exposure Route: No data available
Inhalation (Vapor) Exposure Route: No data available
Inhalation (Gas) Exposure Route: No data available

Unknown Acute Toxicity
0% of the mixture consists of ingredient(s) of unknown toxicity.

Acute Toxicity Estimations (ATE)

The following values are calculated based on chapter 3.1 of the GHS document
### Ingredient Acute Toxicity Data

#### Oral Exposure Route

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Endpoint type</th>
<th>Reported dose</th>
<th>Exposure time</th>
<th>Toxicological effects</th>
<th>Key literature references and sources for data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid, potassium salt (1:1) (&lt;1%)</td>
<td>Mouse LD₅₀</td>
<td>1700 mg/kg</td>
<td>None reported</td>
<td>None reported</td>
<td>IUCLID (The International Uniform Chemical Information Database)</td>
</tr>
<tr>
<td>Glutaraldehyde (&lt;0.1%)</td>
<td>Rat LD₅₀</td>
<td>134 mg/kg</td>
<td>None reported</td>
<td>None reported</td>
<td>GESTIS (Information System on Hazardous Substances of the German Social Accident Insurance)</td>
</tr>
<tr>
<td>Sodium phosphate dibasic (&lt;0.1%)</td>
<td>Rat LD₅₀</td>
<td>17000 mg/kg</td>
<td>None reported</td>
<td>None reported</td>
<td>RTECS (Registry of Toxic Effects of Chemical Substances)</td>
</tr>
</tbody>
</table>

#### Dermal Exposure Route

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Endpoint type</th>
<th>Reported dose</th>
<th>Exposure time</th>
<th>Toxicological effects</th>
<th>Key literature references and sources for data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glutaraldehyde (&lt;0.1%)</td>
<td>Rabbit LD₅₀</td>
<td>594 mg/kg</td>
<td>None reported</td>
<td>None reported</td>
<td>RTECS (Registry of Toxic Effects of Chemical Substances)</td>
</tr>
<tr>
<td>Phosphoric acid, potassium salt (1:1) (&lt;1%)</td>
<td>Rabbit LD₅₀</td>
<td>&gt; 4640 mg/kg</td>
<td>None reported</td>
<td>None reported</td>
<td>RTECS (Registry of Toxic Effects of Chemical Substances)</td>
</tr>
</tbody>
</table>

#### Inhalation (Dust/Mist) Exposure Route

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Endpoint type</th>
<th>Reported dose</th>
<th>Exposure time</th>
<th>Toxicological effects</th>
<th>Key literature references and sources for data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glutaraldehyde (&lt;0.1%)</td>
<td>Rat LC₅₀</td>
<td>0.48 mg/L</td>
<td>4 hours</td>
<td>None reported</td>
<td>IUCLID (The International Uniform Chemical Information Database)</td>
</tr>
</tbody>
</table>

#### Inhalation (Vapor) Exposure Route

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Endpoint type</th>
<th>Reported dose</th>
<th>Exposure time</th>
<th>Toxicological effects</th>
<th>Key literature references and sources for data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glutaraldehyde (&lt;0.1%)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Inhalation (Gas) Exposure Route

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Endpoint type</th>
<th>Reported dose</th>
<th>Exposure time</th>
<th>Toxicological effects</th>
<th>Key literature references and sources for data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glutaraldehyde (&lt;0.1%)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Product Specific Target Organ Toxicity Single Exposure Data

- **Oral Exposure Route**: No data available
- **Dermal Exposure Route**: No data available
- **Inhalation (Dust/Mist) Exposure Route**: No data available
- **Inhalation (Vapor) Exposure Route**: No data available
- **Inhalation (Gas) Exposure Route**: No data available

### Ingredient Specific Target Organ Toxicity Single Exposure Data

- **Oral Exposure Route**: If available, see data below
- **Dermal Exposure Route**: If available, see data below
- **Inhalation (Dust/Mist) Exposure Route**: If available, see data below
- **Inhalation (Vapor) Exposure Route**: If available, see data below
- **Inhalation (Gas) Exposure Route**: If available, see data below
Aspiration toxicity
No data available

Product Skin Corrosion/Irritation Data
No data available.

Ingredient Skin Corrosion/Irritation Data
If available, see data below

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Test method</th>
<th>Species</th>
<th>Reported dose</th>
<th>Exposure time</th>
<th>Results</th>
<th>Key literature references and sources for data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium phosphate dibasic (&lt;0.1%) CAS#: 7558-79-4</td>
<td>Standard Draize Test</td>
<td>Rabbit</td>
<td>500 mg</td>
<td>24 hours</td>
<td>Skin irritant</td>
<td>RTECS (Registry of Toxic Effects of Chemical Substances)</td>
</tr>
<tr>
<td>Glutaraldehyde (&lt;0.1%) CAS#: 111-30-8</td>
<td>Standard Draize Test</td>
<td>Human</td>
<td>6 mg</td>
<td>72 hours</td>
<td>Corrosive to skin</td>
<td>RTECS (Registry of Toxic Effects of Chemical Substances)</td>
</tr>
</tbody>
</table>

Product Serious Eye Damage/Eye Irritation Data
No data available.

Ingredient Eye Damage/Eye Irritation Data
If available, see data below

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Test method</th>
<th>Species</th>
<th>Reported dose</th>
<th>Exposure time</th>
<th>Results</th>
<th>Key literature references and sources for data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium phosphate dibasic (&lt;0.1%) CAS#: 7558-79-4</td>
<td>Standard Draize Test</td>
<td>Rabbit</td>
<td>500 mg</td>
<td>24 hours</td>
<td>Eye irritant</td>
<td>RTECS (Registry of Toxic Effects of Chemical Substances)</td>
</tr>
</tbody>
</table>

Sensitization Information

Product Sensitization Data
Skin Sensitization Exposure Route No data available.
Respiratory Sensitization Exposure Route No data available.

Ingredient Sensitization Data
Skin Sensitization Exposure Route If available, see data below.
Respiratory Sensitization Exposure Route If available, see data below.

Chronic Toxicity Information

Product Specific Target Organ Toxicity Repeat Dose Data
Oral Exposure Route No data available.
Dermal Exposure Route No data available.
Inhalation (Dust/Mist) Exposure Route No data available.
Inhalation (Vapor) Exposure Route No data available.
Inhalation (Gas) Exposure Route No data available.

Ingredient Specific Target Organ Toxicity Repeat Exposure Data
Oral Exposure Route If available, see data below
Dermal Exposure Route If available, see data below
Inhalation (Dust/Mist) Exposure Route If available, see data below
Inhalation (Vapor) Exposure Route If available, see data below
Inhalation (Gas) Exposure Route If available, see data below

Product Carcinogenicity Data
Oral Exposure Route No data available
Dermal Exposure Route No data available
Inhalation (Dust/Mist) Exposure Route  No data available
Inhalation (Vapor) Exposure Route  No data available
Inhalation (Gas) Exposure Route  No data available

## Ingredient Carcinogenicity Data

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No.</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid, potassium salt (1:1)</td>
<td>7778-77-0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Sodium phosphate dibasic</td>
<td>7558-79-4</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Glutaraldehyde</td>
<td>111-30-8</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

### Legend

- **ACGIH (American Conference of Governmental Industrial Hygienists)**
  - Does not apply
- **IARC (International Agency for Research on Cancer)**
  - Does not apply
- **NTP (National Toxicology Program)**
  - Does not apply
- **OSHA (Occupational Safety and Health Administration of the US Department of Labor)**
  - Does not apply

### Oral Exposure Route

- If available, see data below

### Dermal Exposure Route

- If available, see data below

### Inhalation (Dust/Mist) Exposure Route

- If available, see data below

### Inhalation (Vapor) Exposure Route

- If available, see data below

### Inhalation (Gas) Exposure Route

- If available, see data below

### Product Germ Cell Mutagenicity Data

#### invitro Data

- No data available.

#### invivo Data

- If available, see data below

### Ingredient Germ Cell Mutagenicity Data

#### invitro Data

- If available, see data below

#### invivo Data

- No data available.

### Product Reproductive Toxicity Data

- No data available

### Ingredient Reproductive Toxicity Data

- If available, see data below

---

## 12. ECOLOGICAL INFORMATION

---
Ecotoxicity

Product Ecological Data

Aquatic toxicity

Fish
No data available
Crustacea
No data available
Algae
No data available

Ingredient Ecological Data

Aquatic toxicity

Fish
If available, see ingredient data below

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Exposure time</th>
<th>Species</th>
<th>Endpoint type</th>
<th>Reported dose</th>
<th>Key literature references and sources for data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glutaraldehyde</td>
<td>96 hours</td>
<td>None reported</td>
<td>LC50</td>
<td>3.5 mg/L</td>
<td>NIH (National Institutes of Health)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Exposure time</th>
<th>Species</th>
<th>Endpoint type</th>
<th>Reported dose</th>
<th>Key literature references and sources for data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glutaraldehyde</td>
<td>48 Hours</td>
<td>None reported</td>
<td>EC50</td>
<td>0.75 mg/L</td>
<td>GESTIS (Information System on Hazardous Substances of the German Social Accident Insurance)</td>
</tr>
</tbody>
</table>

Crustacea
If available, see ingredient data below

Algae
No data available

Other Information

Persistence and degradability

Product Biodegradability Data
No data available.

Ingredient Biodegradability Data

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Test method</th>
<th>Biodegradation</th>
<th>Exposure time</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium chloride (10 - 20%)</td>
<td>Inorganic Salt</td>
<td>None reported</td>
<td>None reported</td>
<td>Not readily biodegradable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Test method</th>
<th>Biodegradation</th>
<th>Exposure time</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium chloride (10 - 20%)</td>
<td>Inorganic Salt</td>
<td>None reported</td>
<td>None reported</td>
<td>Not readily biodegradable</td>
</tr>
</tbody>
</table>

Bioaccumulation

Product Bioaccumulation Data
No data available.

Partition Coefficient (n-octanol/water)
Not applicable

Ingredient Bioaccumulation Data

Mobility

Soil Organic Carbon-Water Partition Coefficient
Not applicable

Water solubility
13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products
Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging
Do not reuse empty containers.

Special instructions for disposal
Check with local municipal and state authorities and waste contractors for pertinent local information regarding the proper disposal of chemicals.

14. TRANSPORT INFORMATION

U.S. DOT
Not regulated

TDG
Not regulated

IATA
Not regulated

IMDG
Not regulated

Note:
No special precautions necessary.

Additional information
There is a possibility that this product could be contained in a reagent set or kit composed of various compatible dangerous goods. If the item is not in a reagent set or kit, the classification given above applies. If the item is part of a reagent set or kit the classification would change to the following: UN3316 Chemical Kit, Hazard Class 9, Packing Group II or III. If the item is not regulated, the Chemical Kit classification does not apply.

15. REGULATORY INFORMATION

National Inventories
TSCA
Complies

DSL/NDSL
Complies

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

International Inventories
EINECS/ELINCS
Complies

ENCS
Complies

IECSC
Complies

KECL
Complies

PICCS
Complies

TCSI
Complies

AICS
Complies

NZIoC
Complies
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECS - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
TCSI - Taiwan Chemical Substances Inventory
AICS - Australian Inventory of Chemical Substances
NZIoC - New Zealand Inventory of Chemicals

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories
- Acute health hazard: No
- Chronic Health Hazard: No
- Fire hazard: No
- Sudden release of pressure hazard: No
- Reactive Hazard: No

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CWA - Reportable Quantities</th>
<th>CWA - Toxic Pollutants</th>
<th>CWA - Priority Pollutants</th>
<th>CWA - Hazardous Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium phosphate dibasic 7558-79-4</td>
<td>5000 lb</td>
<td>-</td>
<td>-</td>
<td>X</td>
</tr>
</tbody>
</table>

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Hazardous Substances RQs</th>
<th>CERCLA/SARA RQ</th>
<th>Reportable Quantity (RQ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium phosphate dibasic 7558-79-4</td>
<td>5000 lb</td>
<td>-</td>
<td>RQ 5000 lb final RQ RQ 2270 kg final RQ</td>
</tr>
</tbody>
</table>

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium phosphate dibasic 7558-79-4</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Glutaraldehyde 111-30-8</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>
U.S. EPA Label Information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>FIFRA</th>
<th>FDA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid, potassium salt (1:1)</td>
<td>180.0920</td>
<td>- 21 CFR 182.1778,21 CFR 182.6290,21</td>
</tr>
<tr>
<td>Sodium phosphate dibasic</td>
<td>180.0910</td>
<td>21 CFR 182.6778,21 CFR 182.8778</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

Special Comments
None

Additional information

Global Automotive Declarable Substance List (GADSL)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Global Automotive Declarable Substance List Classifications</th>
<th>Global Automotive Declarable Substance List Thresholds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glutaraldehyde 111-30-8</td>
<td>Declarable Substance (LR) Prohibited Substance (LR)</td>
<td>0.0 %</td>
</tr>
</tbody>
</table>

NFPA and HMIS Classifications

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Physical and Chemical Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>- 0</td>
<td>- 0</td>
<td>- 0</td>
<td>-</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>- 0</td>
<td>- 0</td>
<td>- 0</td>
<td>- X</td>
</tr>
</tbody>
</table>

Key or legend to abbreviations and acronyms used in the safety data sheet

NIOSH IDLH Immediately Dangerous to Life or Health
ACGIH ACGIH (American Conference of Governmental Industrial Hygienists)
NDF no data

Legend - Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA          TWA (time-weighted average)  STEL         STEL (Short Term Exposure Limit)
MAC          Maximum Allowable Concentration Ceiling Ceiling Limit Value
X            Listed                      Vacated                  These values have no official status. The only binding levels of contaminants are those listed in the final OSHA PEL. These lists are for reference purposes only. Please note that some reference state regulations of these "liberated" exposure limits in their state regulations.

SKN*         Skin designation             SKN+         Skin sensitization
RSP+         Respiratory sensitization    **           Hazard Designation
C            Carcinogen                  R            Reproductive toxicant
M            mutagen                     

Prepared By Hach Product Compliance Department
End of Safety Data Sheet