SAFETY DATA SHEET

Product identifier

Product code: P1095
Product Name: PHOSPHORIC ACID, REAGENT, ACS

Other means of identification

Synonyms: Orthophosphoric acid, 85%
CAS #: 7664-38-2
RTECS #: TB6300000
CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use: Acidifying agent.
Uses advised against: No information available

Supplier:
Spectrum Chemical Mfg. Corp
14422 South San Pedro St.
Gardena, CA  90248
(310) 516-8000

Order Online At: https://www.spectrumchemical.com

Emergency telephone number
Chemtrec 1-800-424-9300
Contact Person: Martin LaBenz (West Coast)
Contact Person: Ibad Tirmiz (East Coast)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity - Oral</td>
<td>Category 4</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 1</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 1</td>
</tr>
<tr>
<td>Corrosive to metals</td>
<td>Category 1</td>
</tr>
</tbody>
</table>

Label elements
Hazard statements
Harmful if swallowed
Causes severe skin burns and eye damage
May be corrosive to metals

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Do not breathe dust/fume/gas/mist/vapors/spray
Wear protective gloves/protective clothing/eye protection/face protection
Keep only in original container

Precautionary Statements - Response
Immediately call a POISON CENTER or doctor/physician
Specific treatment (see .? on this label)
Absorb spillage to prevent material damage
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth
Do NOT induce vomiting

Precautionary Statements - Storage
Store locked up
Store in corrosive resistant/ .? container with a resistant inner liner

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product code: P1095
Product name: PHOSPHORIC ACID, REAGENT, ACS
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Weight %</th>
<th>Trade Secret</th>
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<tbody>
<tr>
<td>Phosphoric Acid 85%</td>
<td>7664-38-2</td>
<td>85-88</td>
<td>*</td>
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<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>12-15</td>
<td>*</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

First aid measures

General Advice:
Poison information centers in each State capital city can provide additional assistance for scheduled poisons (13 1126)

Skin Contact:
Wash off immediately with soap and plenty of water. Continue flushing with plenty of water for at least 15 minutes. Immediate medical attention is required. Call a physician or Poison Control Centre immediately.

Eye Contact:
Flush eye with water for 15 minutes. Immediate medical attention is required. Call a physician immediately.

Inhalation:
Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. WARNING! It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled or ingested material is toxic, infectious or corrosive. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention.

Ingestion:
Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Immediate medical attention is required. Call a physician or Poison Control Center immediately.

Most important symptoms and effects, both acute and delayed

Symptoms
Severe skin and eye irritation or burns. Skin contact may result in redness, pain, inflammation, itching, scaling. Inflammation of the eye is characterized by redness, watering and itching. Harmful if swallowed. Coughing and wheezing. Choking sensation. Dyspnea (Shortness of breath and difficulty breathing).

Indication of any immediate medical attention and special treatment needed
Notes to Physician:
Treat symptomatically

Protection of first-aiders
First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media:
The product is not flammable. If it is involved in a fire, extinguish the fire using an agent suitable for the type of surrounding fire.

Unsuitable Extinguishing Media:
No information available.

Specific hazards arising from the chemical

Hazardous Combustion Products:
Phosphorus oxides
Specific hazards: Nonflammable
Contact with metals may evolve flammable hydrogen gas
Formation of flammable gases with aldehydes, cyanides, mercaptins, and sulfides

Special Protective Actions for Firefighters

Specific Methods: No information available.

Special Protective Equipment for Firefighters: As in any fire, wear self-contained breathing apparatus
pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid contact with skin, eyes and clothing. Use personal protective equipment.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk.

Methods for cleaning up Neutralize with Sodium carbonate or Sodium bicarbonate. Dilute with water. Absorb spill with inert material (e.g. vermiculite, dry sand or earth), then place in a suitable chemical waste container. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions: Provide sufficient air exchange and/or exhaust in work rooms. Keep away from incompatible materials.

Safe Handling Advice: Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Do not ingest. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions: Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. May corrode metallic surfaces. Do not store in uncoated metallic containers. Store away from incompatible materials. Store in a segregated and approved area.


8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States
### Components

<table>
<thead>
<tr>
<th>Phosphoric Acid 85% - 7664-38-2</th>
<th>OSHA</th>
<th>NIOSH</th>
<th>ACGIH</th>
<th>AIHA WHEEL</th>
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<tr>
<td></td>
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<td>1 mg/m³ TWA</td>
<td>3 mg/m³ STEL</td>
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### Canada

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<th>Ontario</th>
<th>Quebec</th>
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<td>1 mg/m³ TWA</td>
<td>1 mg/m³ TWA</td>
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### Australia and Mexico

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<th>Mexico</th>
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</thead>
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<td>1 mg/m³ TWA</td>
</tr>
<tr>
<td>Water 7732-18-5</td>
<td>None</td>
<td>3 mg/m³ STEL</td>
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</tbody>
</table>

### Appropriate engineering controls

**Engineering measures to reduce exposure:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

### Individual protection measures, such as personal protective equipment

**Personal Protective Equipment**

- **Eye protection:** Face-shield
- **Skin and body protection:** Chemical resistant protective suit. Gloves, boots.
- **Respiratory protection:** Vapor respirator. Be sure to use an approved/certified respirator or equivalent.
- **Hygiene measures:** Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

### 9. PHYSICAL AND CHEMICAL PROPERTIES
9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid
**Appearance:** Syrupy. Viscous.
**Color:** Clear. Colorless.

**Odor:** Odorless.
**Taste:** Acid.

**Formula:** H₃PO₄

**Flashpoint (°C/°F):** No information available.
**Flash Point Tested according to:** Not available

**Upper Explosion Limit (%):** No information available
**Autoignition Temperature (°C/°F):** No information available

**Melting point/range(°C/°F):** 21°C/ 69.8°F
**Boiling point/range(°C/°F):** 158°C/ 316°F

**Bulk density:** No information available
**Specific gravity:** 1.685

**Density (g/cm³):** No information available

**VOC content (g/L):** No information available

**Viscosity:** No information available

**Miscibility:** No information available

**Solubility:** Easily soluble in hot water Soluble in cold water

**Flammability:** No information available

**Flash point (°C):** No data available

**Viscosity:** No information available

**Odor:** Acid.

**Miscibility:** No information available

**Solubility:** Easily soluble in hot water Soluble in cold water

10. STABILITY AND REACTIVITY

**Reactivity**
Reactive with oxidizing agents, combustible materials, metals, alkalis
Evolves flammable hydrogen gas on contact with metals
Incompatible with sodium tetrahydroborate producing a violent exothermic reaction.
Heat generated with: alcohols, glycols, aldehydes, amides, amines, azo-compounds, carbamates, caustics, esters, ketones, phenols and cresols, organophosphates, epoxides, combustible materials, unsaturated halides, organic peroxides.
Formation of flammable gases, with aldehydes, cyanides, mercaptins, and sulfides.
Formation of toxic fumes with cyanides, fluorides, halogenated organics, sulfides, and organic peroxides.
Do not mix with solutions containing bleach or ammonia.
Incompatible with nitromethane, chlorides + stainless steel.

**Chemical stability**
**Stability:** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur

**Conditions to avoid:** Incompatible materials.


**Hazardous decomposition products:** Phosphorus oxides.

**Other Information**
Corrosivity:
Extremely corrosive in presence of copper
Extremely corrosive in the presence of stainless steel (316)
Extremely corrosive in the presence of stainless steel (304)
Highly corrosive in presence of aluminum
Non-corrosive in the presence of glass

Special Remarks on Corrosivity: Minor corrosive effect on bronze Severe corrosive effect on brass Corrosive to ferrous metals and alloys

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:
Skin. Eyes. Inhalation. Ingestion.

Acute Toxicity

Component Information

Phosphoric Acid 85% - 7664-38-2
LD50/oral/rat = 1530 mg/kg Oral LD50 Rat
LD50/oral/mouse = No information available
LD50/dermal/rat = No information available
LD50/dermal/rabbit = 2730 mg/kg Dermal LD50 Rabbit
LC50/inhalation/rat = 850 mg/m³ Inhalation LC50 Rat 1 h
LC50/inhalation/mouse = No information available
Other LD50 or LC50 information = No information available

Water - 7732-18-5
LD50/oral/rat = > 90 mL/kg Oral LD50 Rat
LD50/oral/mouse = No information available
LD50/dermal/rat = No information available
LD50/dermal/rabbit = No information available
LC50/inhalation/rat = No information available
LC50/inhalation/mouse = No information available
Other LD50 or LC50 information = No information available

Product Information

LD50/oral/rat =
VALUE- Acute Tox Oral = No information available
LD50/oral/mouse =
Value - Acute Tox Oral = No information available
LD50/dermal/rabbit
VALUE-Acute Tox Dermal = No information available
LD50/dermal/rat
VALUE -Acute Tox Dermal = No information available
LC50/inhalation/rat
VALUE-Vapor = No information available
VALUE-Gas = No information available
VALUE-Dust/Mist = No information available

Product code: P1095  Product name: PHOSPHORIC ACID, REAGENT, ACS
LC50/Inhalation/mouse
VALUE-Vapor = No information available
VALUE - Gas = No information available
VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: Corrosive. Contact causes severe skin irritation and possible burns. May affect behavior (somnolence or excitement) if absorbed through skin.

Eye Contact: Corrosive. Liquid or vapor causes severe eye irritation and can cause severe eye burns leading to permanent corneal damage or chemical conjunctivitis.

Inhalation Causes irritation or possible burns of the respiratory tract and mucous membranes with sore throat, coughing, shortness of breath and pulmonary edema. It may also affect the liver.

Ingestion Harmful if swallowed. Causes irritation of the digestive tract (mouth, throat (oropharyngeal mucosa), esophagus, stomach). Can cause corrosion (burns) and permanent tissue destruction of digestive tract. Causes severe abdominal pain, nausea, vomiting (sometimes bloody), diarrhea (sometimes watery and bloody), gastrointestinal hemmorrhaging, hypotension, and shock. May affect behavior (seizures, coma) and urinary system (scanty urine), liver (hepatocellular damage, hepatic enzymes increased), blood (blood dyscrasia). May also cause aspiration pneumonitis, acute pulmonary edema, Hypocalcemia, Hyperphosphatemia or Hypomagnesemia, and acidosis.

Aspiration hazard No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity Skin: Prolonged or repeated skin contact may cause drying and cracking of the skin, which can lead to secondary infections or dermatitis, an allergic reaction. Ingestion: Prolonged or repeated ingestion will have similar effects as acute ingestion. It may also affect the brain. Prolonged or repeated eye contact can cause conjunctivitis. Repeated exposure may cause bronchitis to develop with cough, phlegm, and/or shortness of breath.

Sensitization: No information available

Mutagenic Effects: No information available

Carcinogenic effects: Not considered carcinogenic

<table>
<thead>
<tr>
<th>Components</th>
<th>ACGIH - Carcinogens</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA HCS - Carcinogens</th>
<th>Australia - Prohibited Carcinogenic Substances</th>
<th>Australia - Notifiable Carcinogenic Substances</th>
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</thead>
<tbody>
<tr>
<td>Phosphoric Acid 85%</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
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<tr>
<td>Water</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

Reproductive toxicity No data is available

Reproductive Effects: No information available
Developmental Effects: No information available
Teratogenic Effects: No information available

Product code: P1095 Product name: PHOSPHORIC ACID, REAGENT, ACS
Specific Target Organ Toxicity

STOT - single exposure  No information available
STOT - repeated exposure No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: Aquatic environment.

Phosphoric Acid 85% - 7664-38-2
Freshwater Fish Species Data: 3 - 3.5 mg/L LC50 Gambusia affinis 96 h
Water Flea Data: 4.6 mg/L EC50 Daphnia magna 12 h
Persistence and degradability: No information available
Bioaccumulative potential: No information available
Mobility: No information available

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:
Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:
Empty containers should be taken for local recycling, recovery or waste disposal

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric Acid 85%</td>
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<td>None</td>
<td>None</td>
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<tr>
<td>Water</td>
<td>None</td>
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<td>None</td>
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</tbody>
</table>

14. TRANSPORT INFORMATION

DOT
- UN-No: UN1805
- Proper Shipping Name: Phosphoric acid solution
- Hazard Class: 8
- Subsidiary Risk: No information available
- Packing Group: III
- ERG No: 154
- Marine Pollutant: No data available
- DOT RQ (lbs): No information available
- Symbol(s): R5

TDG (Canada)
- UN-No: UN1805

Product code: P1095  Product name: PHOSPHORIC ACID, REAGENT, ACS
<table>
<thead>
<tr>
<th><strong>14. TRANSPORT INFORMATION</strong></th>
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</thead>
<tbody>
<tr>
<td><strong>Proper Shipping Name:</strong></td>
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<tr>
<td><strong>Hazard Class:</strong></td>
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<tr>
<td><strong>Subsidiary Risk:</strong></td>
</tr>
<tr>
<td><strong>Packing Group:</strong></td>
</tr>
<tr>
<td><strong>Description:</strong></td>
</tr>
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**ADR**

| **UN-No:** | UN1805 |
| **Proper Shipping Name:** | Phosphoric acid, solution |
| **Hazard Class:** | 8 |
| **Packing Group:** | III |
| **Subsidiary Risk:** | No information available |
| **Classification Code:** | No information available |
| **Description:** | No information available |
| **CEFIC Tremcard No:** | No information available |

**IMO / IMDG**

| **UN-No:** | UN1805 |
| **Proper Shipping Name:** | Phosphoric acid solution |
| **Hazard Class:** | 8 |
| **Subsidiary Risk:** | No information available |
| **Packing Group:** | III |
| **Description:** | No information available |
| **IMDG Page:** | No information available |
| **Marine Pollutant** | No information available |
| **EMS:** | F-A |
| **MFA8:** | No information available |
| **Maximum Quantity:** | No information available |

**RID**

| **UN-No:** | UN1805 |
| **Proper Shipping Name:** | Phosphoric acid, solution |
| **Hazard Class:** | 8 |
| **Subsidiary Risk:** | No information available |
| **Packing Group:** | III |
| **Classification Code:** | No information available |
| **Description:** | No information available |

**ICAO**

| **UN-No:** | UN1805 |
| **Proper Shipping Name:** | Phosphoric acid, solution |
| **Hazard Class:** | 8 |
| **Subsidiary Risk:** | No information available |
| **Packing Group:** | III |
| **Description:** | No information available |

**IATA**

| **UN-No:** | UN1805 |
| **Proper Shipping Name:** | Phosphoric acid, solution |
| **Hazard Class:** | 8 |
| **Subsidiary Risk:** | No information available |
| **Packing Group:** | III |
| **ERG Code:** | 8L |
| **Description:** | No information available |
International Inventories

<table>
<thead>
<tr>
<th>Components</th>
<th>U.S. TSCA</th>
<th>KOREA KECL</th>
<th>Philippines (PICCS)</th>
<th>Japan ENCS</th>
<th>CHINA</th>
<th>Australia (AICS)</th>
<th>EINECS-No.</th>
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<tbody>
<tr>
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<td>Present KE-27427</td>
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<td>Present (1)-422</td>
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<td>Present</td>
<td>Present 231-791-2</td>
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</table>

U.S. Regulations

Phosphoric Acid 85%

- **Massachusetts RTK:** Present
- **New Jersey RTK Hazardous Substance List:** 1516
- **New Jersey - Discharge Prevention - List of Hazardous Substances:** Present
- **Pennsylvania RTK:** Environmental hazard
- **Pennsylvania RTK - Environmental Hazard List:** Present
- **Minnesota - Hazardous Substance List:** Present
- **New York Release Reporting - List of Hazardous Substances:**
  - 5000 lb RQ
  - 100 lb RQ
- **Louisiana Reportable Quantity List for Pollutants:** Listed
- **California Directors List of Hazardous Substances:** Present
- **FDA - Food Additives Generally Recognized as Safe (GRAS):** 21 CFR 182.1073
- **FDA - 21 CFR - Total Food Additives:**
  - 133.123
  - 133.124
  - 133.129
  - 133.169
  - 133.173
  - 133.178
  - 133.179
  - 163.110
  - 163.111
  - 163.112
  - 175.300
  - 177.2260
  - 178.1010
  - 178.3520
  - 182.1073
  - 73.275
  - 73.85
- **California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.**

**Chemicals Known to the State of California to Cause Cancer:**
This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

**Chemicals Known to the State of California to Cause Reproductive Toxicity:**
This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

<table>
<thead>
<tr>
<th>Components</th>
<th>Carcinogen</th>
<th>Developmental Toxicity</th>
<th>Male Reproductive Toxicity</th>
<th>Female Reproductive Toxicity</th>
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CERCLA/SARA

<table>
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<tr>
<th>Components</th>
<th>CERCLA - Hazardous Substances and their Reportable Quantities</th>
<th>Section 302 Extremely Hazardous Substances and TPQs</th>
<th>Section 302 Extremely Hazardous Substances and RQs</th>
<th>Section 313 - Chemical Category</th>
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<td>5000 lb final RQ 2270 kg final RQ</td>
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U.S. TSCA

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<tr>
<th>Components</th>
<th>TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)</th>
<th>TSCA 8(d) - Health and Safety Reporting</th>
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<tr>
<td>Water</td>
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Canada

**WHMIS hazard class:**
- E Corrosive material

**Product code:** P1095
**Product name:** PHOSPHORIC ACID, REAGENT, ACS
Phosphoric Acid 85%  
E including <=85%  

Water  
Uncontrolled product according to WHMIS classification criteria

**Canada Controlled Products Regulation:**  
This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

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<th>Components</th>
<th>WHMIS Ingredient Disclosure List -</th>
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**Inventory**

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<tr>
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<th>Canada (DSL)</th>
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<table>
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<tbody>
<tr>
<td>Phosphoric Acid 85%</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>Water</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

**EU Classification**

**R-phrase(s)**
R34 - Causes burns.

**S -phrase(s)**
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
S 1/2 - Keep locked up and out of the reach of children.

<table>
<thead>
<tr>
<th>Components</th>
<th>Classification</th>
<th>Concentration Limits:</th>
<th>Safety Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric Acid 85%</td>
<td>C; R34</td>
<td>25%&lt;=C: C; R34</td>
<td>S1/2 S26 S45</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10%&lt;=C&lt;25%: Xi; R36/38</td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td></td>
<td>No information</td>
<td></td>
</tr>
</tbody>
</table>

The product is classified in accordance with Annex VI to Directive 67/548/EEC

**Indication of danger:**
C - Corrosive.
Preparation Date: 05/29/2015
Revision Date: 05/29/2015
Prepared by: Sonia Owen

Disclaimer: All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet