



Safety Data Sheet

Phosphoric acid 0.085% in Water

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Phosphoric acid 0.085% in Water

Synonyms/Generic Names: None

Product Number: CP-C9292

Product Use: Industrial, Manufacturing or Laboratory use

Manufacturer: ChemPure Brand Chemicals
39103 Warren Road
Westland, MI 48185

For More Information Call: 734-729-1805 (Monday-Friday 8:00-4:30)

In Case of Emergency Call: CHEMTREC - 800-424-9300 or 703-527-3887 (24 Hours/Day, 7 Days/Week)

2. HAZARDS IDENTIFICATION

OSHA Hazards: No known OSHA hazards.

Target Organs: None.

Signal Words: None

Pictograms: None

GHS Classification:

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

GHS Label Elements, including precautionary statements:

Hazard Statements:

Repeated or prolonged exposure may irritate eyes, skin and respiratory system.

Precautionary Statements:

Prevention: Use personal protective equipment as required.

Potential Health Effects

| | |
|-------------------|--|
| Eyes | May cause eye irritation. |
| Inhalation | May cause drowning. |
| Skin | May cause skin irritation. |
| Ingestion | Do not indigestion. Do not induce vomiting without medical advice. |

NFPA Ratings

| | |
|-----------------|---------------|
| Health | 1 |
| Flammability | 0 |
| Reactivity | 0 |
| Specific hazard | Not Available |

HMIS Ratings

| | |
|------------|---|
| Health | 1 |
| Fire | 0 |
| Reactivity | 0 |
| Personal | A |

3.COMPOSITION/INFORMATION ON INGREDIENTS

| Component | Weight % | CAS # | EINECS# / ELINCS# | Formula | Molecular Weight |
|-----------------|----------|-----------|-------------------|--------------------------------|------------------|
| Water | 99.90 | 7732-18-5 | 231-791-2 | H ₂ O | 18.01 g/mol |
| Phosphoric Acid | <0.10 | 7664-38-2 | 231-633-2 | H ₃ PO ₄ | 98.00 g/mol |

4.FIRST-AID MEASURES

| | |
|-------------------|---|
| Eyes | Rinse immediately with plenty of water, also under eyelids, for at least 15 minutes. Call a physician if irritation develops or persists. |
| Inhalation | Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Use oxygen as required, provided a qualified operator is present. Call a physician. |
| Skin | Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use. Call a physician if irritation develops or persists. |
| Ingestion | Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Call a physician. |

5. FIREFIGHTING MEASURES

| | |
|--|--|
| Suitable (and unsuitable) extinguishing media | Product is not flammable. Use water spray, foam, carbon dioxide (CO ₂) , dry chemical. |
| Special protective equipment and precautions for firefighters | Product is not flammable. Wear an approved positive self-contained breathing apparatus in addition to standard fire fighting gear. |
| Specific hazards arising from the chemical | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |

6.ACCIDENTAL RELEASE MEASURES

| | |
|--|--|
| Personal precautions, protective equipment and emergency procedures | Material can create slippery conditions. Use non-slip safety shoes in areas where spills or leaks can occur. Avoid prolonged contact with eyes, skin and clothing. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Should not be released into the environment. |
| Methods and materials for containment and cleaning up | Ventilate the area. Contain spillage, soak up with non-combustible absorbent material, (e.g., sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local/ national regulations (see section 13). |

7. HANDLING AND STORAGE

Precautions for safe handling

Wear personal protective equipment. Avoid contact with skin, eyes and clothing.

Advice on protection against fire and explosion

Normal measures for preventive fire protection.

Storage

Conditions for safe storage, including any incompatibilities

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls: Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protection

| | |
|-------------------|---|
| Eyes | Wear chemical safety glasses. |
| Inhalation | In case of insufficient ventilation, wear suitable respiratory equipment. |
| Skin | Handle with gloves if necessary for long term exposure. Protective suit. |
| Other | General industrial hygiene practice. |

Other Recommendations: Contains no substances with occupational exposure limit values.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|-------------------------------|
| Appearance (physical state, color, etc.) | Clear, colorless liquid |
| Odor | No Odor |
| Odor threshold | Not Applicable |
| pH | 2.2 |
| Melting point/freezing point | 0°C (32°F) |
| Initial boiling point and boiling range | 100°C (212°F) |
| Flash point | Not Flammable (See section 5) |
| Evaporation rate | Not Available |
| Flammability (solid, gas) | Not Flammable (See section 5) |
| Upper/lower flammability or explosive limit | Not Explosive (See section 5) |
| Vapor pressure | Not Available |
| Vapor density | (Air=1) 0.62 |
| Relative density | 0.9984 g/mL at 25°C |
| Solubility (ies) | Complete |
| Partition coefficient: n-octanol/water | Not Available |
| Auto-ignition temperature | Not Available |
| Decomposition temperature | Not Available |

10. STABILITY AND REACTIVITY

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|---|---|
| Chemical Stability | Stable under normal conditions. |
| Possibility of Hazardous Reactions | Not classified as a reactivity hazard |
| Conditions to Avoid | Protect from extreme heat and cold. |
| Incompatible Materials | Water-reactive materials. No other information available. |
| Hazardous Decomposition Products | None. |

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

| | |
|--------------------|---|
| Skin | (Phosphoric acid) LD50: 2,740 mg/Kg - Rabbit. Corrosive . |
| Eyes | Not Available |
| Respiratory | Not Available |
| Ingestion | LD50 Oral- Rat – 1,530 mg/kg |

12. ECOLOGICAL INFORMATION

Ecotoxicit

| | |
|-----------------------------|---------------|
| Aquatic Vertebrate | Not Available |
| Aquatic Invertebrate | Not Available |
| Terrestrial | Not Available |

| | |
|--------------------------------------|---------------|
| Persistence and Degradability | Not Available |
| Bioaccumulative Potential | Not Available |
| Mobility in Soil | Not Available |
| PBT and vPvB Assessment | Not Available |
| Other Adverse Effects | Not Available |

Additional ecological information: We have on quantitative data concerning the ecological effects of this product.

13. DISPOSAL CONSIDERATIONS

| | |
|---------------------------|---|
| Waste Residues | Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product or residue. |
| Product Containers | Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container. |

The information offered in section 13 is for the product as shipped. Use and/or alterations to the product may significantly change the characteristics of the material and alter the waste classification and proper disposal methods.

14. TRANSPORT INFORMATION

| | |
|------------------|---------------------|
| US DOT | Not Dangerous Goods |
| TDG | Not Dangerous Goods |
| IMDG | Not Dangerous Goods |
| Marine Pollutant | No |
| IATA/ICAO | Not Dangerous Goods |

15. REGULATORY INFORMATION

| | |
|---------------------------|---|
| TSCA Inventory Status | All ingredients are listed on the TSCA inventory. |
| DSCL (EEC) | All ingredients are listed on the DSCL inventory. |
| California Proposition 65 | Not Listed |
| SARA 302 | Not Listed |
| SARA 304 | Not Listed |
| SARA 311 | No SARA Hazards |
| SARA 312 | No SARA Hazards |
| SARA 313 | Not Listed |
| WHMIS Canada | Not Listed |

16. OTHER INFORMATION

| Revision | Date |
|------------|------------|
| Revision 1 | 03/03/2017 |
| Revision 2 | 02/17/2022 |
| | |

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