



# SAFETY DATA SHEET

## Section 1: Identification

**Product Name:** pH Down  
**Chemical Name/Synonyms:** Phosphoric acid  
**Company:**

### DISTRIBUTOR INFORMATION:

Remix Chem, LLC  
2202 S Figueroa St. #528  
Los Angeles, CA 90007  
[www.remixchem.com](http://www.remixchem.com)

### CHEMTREC EMERGENCY INFORMATION:

For Hazardous Materials [or Dangerous Goods] Incident  
Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC 24 Hours  
1-800-262-8200 / +1 703-741-5500  
CCN: 1002199

## Section 2: Hazard(s) Identification

### Hazard Classification:

Skin corrosion/irritation	Category 1A, 1B, 1C
Corrosive to metals	Category 1
Serious eye damage/irritation	Category 1

**Signal Word(s):** Danger

### Pictograms:



### Hazard Statements:

H318 Causes serious eye damage  
H290 May be corrosive to metals  
H314 Causes severe skin burns and eye damage

### Precautionary Statements:



P234	Keep only in original container.
P264	Wash hands/exposed skin thoroughly after handling.
P271	Do not eat, drink or smoke while using this product.
P280	Wash goggles/gloves/other PPE thoroughly after handling
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340+P312	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P390	Absorb spillage to prevent material damage.
P401	Store locked up.
P406	Store in a corrosive resistant container with a resistant inner liner.
P501	Dispose of contents/container to an approved waste disposal plant.

**Description of other hazards:**

**Section 3: Composition/ Information on Ingredients**

Chemical Name	Synonym	CAS#	Conc.
Phosphoric acid	H3PO4	7664-38-2	35-50%

2 1 3 . 9 9 9 . 3 4 8 3

**Section 4: First-Aid Measures**

<b>After skin contact:</b>	Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Rinse skin with lukewarm, gently flowing water/shower with a flushing duration of 60 minutes. Immediately call POISON CENTER/doctor. Wash contaminated clothing before re-use.
<b>After eye contact:</b>	Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for 60 minutes. Take care not to rinse contaminated water into the unaffected eye or into the face.



**After inhalation:** Immediately call a POISON CENTER/doctor. Continue rinsing until medical aid is available.  
**After swallowing:** Get medical advice if you feel unwell or are concerned. Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. If vomiting occurs naturally, lie on your side, in the recovery position.

### Section 5: Fire-Fighting Measures

**Suitable extinguishing agents:** Water spray, Foam carbon dioxide (CO<sub>2</sub>), Dry powder,

**Unsuitable extinguishing agents:** None known

**Special hazards arising from the substance:** Hot or molten material can react violently with water. Can react with certain metals, such as aluminum, to generate flammable Hydrogen gas.

**Hazardous Combustion Products:** May cause fire and explosions when in contact with incompatible materials.

**Special protective equipment for firefighters:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus.

**NFPA**

<b>Health:</b>	3
<b>Flammability:</b>	0
<b>Instability:</b>	0
<b>Physical Hazards:</b>	None

### Section 6: Accidental Release Measures

**Personal precautions:** Ensure adequate ventilation. Especially in confined areas. Do not breathe vapors, aerosols. Avoid substance contact. Keep away from heat and ignition sources. Evacuate the danger areas. Wear protective gloves/protective clothing and eye/face protective gear when handling.

**Measures for environmental protection:** Prevent product from entering drains.

**Measures for cleaning/collecting:** SMALL SPILLS (less than 1 gallon): Neutralize with soda ash or cover with dry earth, sand or other non combustible material, place into loosely covered plastic containers for later disposal. If neutralized, material can be diluted into drain. LARGE SPILL: Restrict access to area until completion of clean up. Prevent liquid from entering sewers or waterways. Stop or reduce leak if safe to do so. Dike with inert material (sand, earth, etc.). Collect into plastic containers for disposal. Ensure adequate decontamination of tools and equipment following clean up.



**Special spill response procedures:** Collect spills in plastic containers only. Prevent from entering sewers, waterways, or low areas.

**Section 7: Handling and Storage**

**Handling:** Wear at least chemical resistant gloves and eye protection, face shield, and chemical resistant garments when handling, moving or using this product. Do not contaminate water, food, or feed by storage or disposal.

**Storage:** Keep product in tightly closed container when not in use. Do not drop, roll, or skid drum. Store in a cool, dry, well-ventilated area away from heat or open flame.

**Incompatible Materials:** Alkalis, oxidizing agents, metals, bases and organic materials.

**Section 8: Exposure Controls/Personal Protection**

Chemical Name	OSHA REL	NIOSH PEL	ACGIH TLV	Mexico OEL (TWA)
Phosphoric acid	STEL: 1 mg/m <sup>3</sup>	STEL: 1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>	

ACGIH - American Conference of Governmental Industrial Hygienists  
 OSHA - Occupational Safety and Health Administration  
 NIOSH IDLH: The National Institute for Occupational Safety and Health Immediately Dangerous to Life or Health

**General protective and hygienic measures:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industry hygiene and safety practice.

**Breathing equipment:** Not a respiratory irritant unless dealing with a mist form, then wear appropriate NIOSH respirator.

**Skin and Body Protection:** Wear chemical resistant gloves and chemical resistant garments when handling, wash garments before re-use.

**Eye protection:** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses and or face shield.

**Control of environmental exposure:** Do not allow to enter drains/surface water

**Section 9: Physical and Chemical Properties**

**Form:** Liquid  
**Color:** Clear  
**Odor:** Odorless  
**Odor threshold:** No data available



<b>pH:</b>	<2
<b>Melting point/melting range:</b>	No information available
<b>Boiling point/boiling range:</b>	No information available
<b>Flash point:</b>	N/A
<b>Evaporation rate:</b>	N/A
<b>Flammability (solid,gas):</b>	N/A
<b>Upper/lower flammability or explosive limits:</b>	N/A
<b>Auto ignition temperature:</b>	N/A
<b>Vapor pressure:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Relative density:</b>	1.39 g/mL at 25 °C
<b>Solubility in/Miscibility with water:</b>	Miscible
<b>Partition Coefficient n/octanol-water</b>	N/A

### Section 10: Stability and Reactivity

<b>Reactivity:</b>	Reactive with certain acids, reducing agents, organic materials, metals, bases and alkalis.
<b>Chemical stability:</b>	This product is chemically stable under ambient conditions.
<b>Possibility of Hazardous Reactions:</b>	Reactive with oxidizing agents, reducing agents, metals, bases and alkalis.
<b>Conditions to avoid:</b>	Incompatible materials
<b>Incompatible materials:</b>	Reactive with bases, metals, reducing agents and combustible materials
<b>Hazardous decomposition products:</b>	Potentially dangerous phosphorous oxides.

### Section 11: Toxicological Information

<b><u>Potential routes of exposure/potential health effects</u></b>				
<b>Oral LD50:</b>	Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg			
<b>Dermal LD50:</b>	Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg			
<b>Vapor LC50:</b>	Based on ATE data, the classification criteria are not met. ATE > 20 mg			
	<b>Component</b>	<b>LD50 (Oral)</b>	<b>LD50 (Dermal)</b>	<b>LD50 (Inhalation)</b>
	Phosphoric Acid	>2000 mg/kg (rat)	No information available	No information available
<b>Toxicologically Synergistic Products:</b>	No data available			
<b>Skin:</b>	Corrosive! Contact with skin causes irritation or severe burns and scarring with greater exposures.			
<b>Eye:</b>	Corrosive! Causes irritation of eyes, and with greater exposures it can cause burns that may result in permanent impairment of vision, even blindness.			
<b>Inhalation:</b>	Inhalation of the mist may produce severe irritation of			

<p><b>Ingestion:</b></p> <p><b>Carcinogenicity:</b></p> <p><b>Mutagenicity:</b></p> <p><b>Reproductive Effects:</b></p> <p><b>Specific target organ effects:</b></p>	<p>respiratory tract, characterized by coughing, choking, shortness of breath, headaches, dizziness, nausea, weakness and/or drowsiness.</p> <p>Corrosive! Swallowing causes severe burns of mouth, throat, and stomach. Severe scarring of tissue, corrosion, permanent tissue destruction and death may result. Symptoms may include severe pain, nausea, vomiting, diarrhea, shock, hemorrhaging and/or fall in blood pressure. Damage may appear days after exposure.</p> <p>No components are listed as carcinogens by ACGIH, IARC, OSHA, or NTP.</p> <p>Not known to have mutagenic effects in humans or animals.</p> <p>No known reproductive effects in humans or animals.</p> <p>No information available</p>
<b>Section 12: Ecological Information (non-mandatory)</b>	
<p><b>Ecotoxicity:</b> May be harmful to aquatic environment</p> <p><b>Persistence and degradability:</b> Not expected to persist, readily biodegradable</p> <p><b>Bioaccumulation potential:</b> Not expected to bioaccumulate</p> <p><b>Mobility in Soil:</b> No information available</p>	
<b>Section 13: Disposal Considerations (non-mandatory)</b>	
<p><b>Disposal of Waste:</b></p> <p><b>RCRA:</b></p>	<p>Disposal should be in accordance with applicable, regional, national and local laws and regulations. Contact a licensed professional waste disposal service to dispose of this material.</p> <p>If product becomes a waste, it does meet the criteria of a hazardous waste as defined by the US EPA, because of: Corrosivity D002</p>
<b>Section 14: Transport Information (non-mandatory)</b>	
<p><b>DOT:</b></p> <ul style="list-style-type: none"> <li>● <b>UN/ID No:</b> 1805</li> <li>● <b>PSN:</b> Phosphoric acid</li> <li>● <b>Packaging group:</b> III</li> <li>● <b>ADR/RID class:</b> 8</li> </ul> <p><b>Air transport ICAO-TI and IATA-DGR:</b></p> <ul style="list-style-type: none"> <li>● <b>UN/ID No:</b> 1805</li> <li>● <b>PSN:</b> Phosphoric acid</li> <li>● <b>Packaging Group:</b> III</li> <li>● <b>ICAO/IATA Class:</b> 8</li> </ul> <p><b>IMDG</b></p> <ul style="list-style-type: none"> <li>● <b>UN/ID No:</b> 1805</li> <li>● <b>PSN:</b> Phosphoric acid</li> </ul>	



- **Packaging Group: III**
- **IMDG Class: 8**

### **Section 15: Regulatory Information (non-mandatory)**

#### **US Federal Regulations**

##### **SARA Section 355 (extremely hazardous substances):**

Section 355 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 Section 313 (specific toxic chemical listings):**

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	<b>Yes</b>
Chronic health hazard	<b>No</b>
Fire hazard	<b>No</b>
Sudden release of pressure hazard	<b>No</b>
Reactive hazard	<b>No</b>

##### **CWA:**

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

##### **CERCLA:**

Phosphoric acid has a RQ of 5000 pounds

##### **California Proposition 65:**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm

##### **International Information:**



### Section 16: Other Information

**SDS date of preparation:** 8/17/2021

**SDS date of update:** 8/18/2022

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Remix Chemical and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

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