

## 1. IDENTIFICATION

**Product Name** Phosphoric Acid 75%  
**Recommended use** Water treatment, pH adjustment, Fertilizer production, Industrial wood treatment  
**Supplier** Valudor Products, LLC.  
 179 Calle Magdalena Suite 100  
 Encinitas CA 92024  
 (760)-635-8500  
**Emergency Telephone** 800-535-5053 (Infotrac)

## 2. HAZARD IDENTIFICATION

### Classification

This product is considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

Skin Corrosion/irritation	Category 1B
Serious eye damage/eye irritation	Category 1
Corrosive to metals	Category 1

### Label Elements

#### GHS Pictograms



**Signal Word**  
**Hazard Statements**

**Danger**  
 Causes severe skin burns and eye damage  
 May be corrosive to metals

**Precautionary Statements – Prevention**

Do not breathe dusts or mists  
 Wash thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Keep only in original container

**Response**

If swallowed: Rinse mouth. Do NOT induce vomiting  
 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 If inhaled: Remove person to fresh air and keep comfortable for breathing  
 Immediately call a poison center/doctor  
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Absorb spillage to prevent material damage

<b>Storage</b>	Store locked up Store in corrosive resistant container with a resistant inner liner
<b>Disposal</b>	Dispose of contents/container to an approved waste disposal plant
<b>Hazards not other classified</b>	None known

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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#### Mixture

Chemical name	CAS-No	Weight-%
Phosphoric acid	7664-38-2	75-85 %
Water	7732-18-5	15-25 %

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### 4. FIRST-AID MEASURES

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#### First Aid Measures

<b>Eye Contact</b>	Get immediate medical attention. Immediately rinse with plenty of water. Do NOT rub or keep eyes closed. Keep eye wide open while rinsing. Continue rinsing for 30 minutes.
<b>Skin Contact</b>	Get immediate medical attention. Wash off immediately with plenty of water. Remove all contaminated clothes and shoes.
<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration. Do NOT use mouth to mouth resuscitation. Get medical attention.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician

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

<b>Symptoms</b>	No information available
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### 5. FIRE-FIGHTING MEASURES

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**Suitable extinguishing Media** Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Unsuitable Extinguishing Media No information available.

#### Specific Hazards Arising from the chemical

Hazardous combustion products Thermal decomposition can lead to the release of irritation or toxic gases and vapors; including and not limited to:  
Phosphine  
Oxides of phosphorus

#### Protective equipment and precautions for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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## 6. ACCIDENTAL RELEASE MEASURES

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

**Personal precautions**                      Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Use personal protection recommended in Section 8. Ensure adequate ventilation.

### **Methods and materials for containment and cleanup**

**Methods for clean-up**                      Absorb spill with inert material, then place in suitable container. Clean up spills immediately.

**Environmental Precautions**              Prevent entry into waterways or sewers.

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## 7. HANDLING AND STORAGE

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### **Precautions for safe handling**

Handle in a well-ventilated environment. Do not breathe vapors / spray / mist / fume. Avoid contact with skin, eyes or clothing. Wear personal protective equipment in section 8. Wash contaminated clothing before reuse. Wash thoroughly after handling. Wash before breaks and at the end of the workday. Do not eat, drink or smoke when using this product. Clean equipment and work area regularly.

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

Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from metals. Do not store in metal containers. Store away from alkalies.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### **Exposure Guidelines**

Source	Ingredient	TWA	STEL
US OSHA PEL	Phosphoric acid	1 mg/m <sup>3</sup>	-
US ACGIH TLV	Phosphoric acid	1 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>
US NIOSH RELs	Phosphoric acid	1 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>

### **Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas. Consider the potential hazards of this material, applicable exposure limits, job activities and other substances in the work place when designing controls and selecting personal protective equipment.

### **Personal Protective Equipment**

**Eye/face protection**                      Tightly fitting safety goggles.

**Skin protection**                              Choose the appropriate protective clothing and gloves based on the tasks being performed to avoid exposure to skin. Wear protective gloves. Wear long sleeved protective clothing. Wear chemical resistant apron.

**Respiratory protection**                      Not required under normal circumstances. If exposure limits are exceeded or if irritation or other symptoms are experienced use a NIOSH/MSHA approved respirator

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practices. Do not eat, drink or smoke when using this product.

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## 9. PHYSICAL and CHEMICAL PROPERTIES

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<b>Appearance</b>	Colorless
<b>Physical state</b>	Liquid
<b>Odor</b>	Odorless
<b>Odor threshold</b>	No information available
<b>pH</b>	Not applicable
<b>Melting point</b>	41.1 C (CAS# 7664-38-2)
<b>Boiling point / Boiling range</b>	135 – 158 °C / 275-316 °F (760.00 mm Hg)
<b>Flash point</b>	Not applicable
<b>Evaporation rate</b>	Not applicable
<b>Flammability</b>	No information available
<b>Flammability or explosive limits</b>	
<b>Upper</b>	No information available
<b>Lower</b>	No information available
<b>Vapor pressure</b>	2.16 – 5.65 mm Hg(20 °C / 68 °F)
<b>Vapor density</b>	No information available
<b>Specific Gravity</b>	1.573 - 1.693 g/cm <sup>3</sup> (25 °C / 75 °F)
<b>Solubility in water</b>	No information available
<b>Partition coefficient</b>	No information available
<b>Auto-ignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Viscosity</b>	3.86 mPas

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## 10. STABILITY AND REACTIVITY

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<b>Reactivity</b>	None known under normal conditions.
<b>Chemical stability</b>	Stable under ordinary conditions of use and storage.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Conditions to avoid</b>	Incompatible materials, metals, excess heat
<b>Incompatible materials</b>	Strong bases, ammonia, finely powdered metals, organic peroxides, caustics, cyanides, fluorides, halogenated organics, mercaptans and other organic sulfides, nitromethane, sodium tetrahydroborate, sulfites, mineral acids, aldehydes, strong alkalis, chlorides, nickel carbonate
<b>Hazardous decomposition products</b>	Hazardous combustion can lead to the release of irritating gases and vapors.

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## 11. TOXICOLOGICAL INFORMATION

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### Information on likely routes of exposure

<b>Skin contact</b>	Causes severe skin burns
<b>Eye contact</b>	Causes eye damage
<b>Inhalation</b>	May cause irritation of respiratory tract
<b>Ingestion</b>	May be harmful if swallowed

**Symptoms related to the physical chemical and toxicological characteristics**

No information available

**Delayed and immediate effects and also chronic effects form short and long-term exposure**

<b>Skin damage/irritation</b>	Causes severe skin burns
<b>Eye damage/irritation</b>	Causes eye damage
<b>Sensitization</b>	Not classified
<b>Mutagenic effects</b>	Not classified
<b>Carcinogenicity</b>	Not classified
<b>Reproductive toxicity</b>	Not classified
<b>STOT – single exposure</b>	Not classified
<b>STOT – repeated exposure</b>	Not classified
<b>Aspiration hazard</b>	Not classified

**Acute Toxicity****Component information**

Component	Cas-No	LD50 Oral	LD50 Dermal	LC50 Inhalation
Phosphoric acid	7664-38-2	2,600 mg/kg	2,740 mg/kg	>850 mg/m <sup>3</sup> /1hr

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**12. ECOLOGICAL INFORMATION**

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**Ecotoxicity** Should not be released to environment

Component	Freshwater Fish	Freshwater Algae	Water Flea
Phosphoric Acid Cas 7664-38-2	LC50: 138 mg/L 96hr	EC50: > 100 mg/L 72hr	EC50: > 100 mg/L 48hr

**Persistence and degradability** No information available**Bioaccumulative potential** No information available**Mobility in soil** No information available**Other adverse effects** No information available

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**13. DISPOSAL CONSIDERATIONS**

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**Waste Disposal Methods** Processing, use or contamination of this product may occur during product use. Accordingly, it is the responsibility of the user to determine the proper disposal methodologies. Consult the appropriate state, regional or local regulations to ensure complete and accurate classification. Dispose of contaminated packaging in accordance with local regulations.

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**14. TRANSPORT INFORMATION**

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<b>DOT</b>	Regulated
<b>UN-No</b>	1805
<b>Proper Shipping Name</b>	Phosphoric Acid Solution
<b>Hazard Class</b>	8
<b>Packing Group</b>	III
<b>IATA</b>	Regulated
<b>UN-No</b>	1805
<b>Proper Shipping Name</b>	Phosphoric Acid Solution
<b>Hazard Class</b>	8
<b>Packing Group</b>	III
<b>IMDG</b>	Regulated
<b>UN-No</b>	1805
<b>Proper Shipping Name</b>	Phosphoric Acid Solution
<b>Hazard Class</b>	8
<b>Packing Group</b>	III

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**15. REGULATORY INFORMATION**

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**International Inventories**

<b>TSCA</b>	Listed
<b>DSL</b>	Listed

**US Federal Regulations**

**TSCA section 12(b) Export Notification**

Not regulated

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA).  
Not applicable

**SARA 311/312 Hazard Categorization**

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Pressure	No
Reactivity	No

**CERCLA/SARA 302 & 304**

Section 302 & 304 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains the following compounds which are subject to the reporting requirements of the Act and 40 CFR, Part 355.

<b>Chemical name</b>	<b>Cas-No</b>	<b>CERCLA RQ</b>
Phosphoric Acid	7664-38-2	5000 lbs.

**Product name:** Phosphoric Acid 75%

**Date of Issue:** 07/12/2020

**CWA (Clean Water Act)**

Not applicable

**US State Regulations**

**California Proposition 65**

This product does not contain any proposition 65 chemicals

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**16. OTHER INFORMATION**

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**NFPA Ratings**

Health: 3

Flammability: 1

Reactivity: 0

Creation Date: 07/12/2020

Revision Date:

Revision Number: 1.0

Revision Information Creation

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text