

**MATERIAL SAFETY DATA SHEET**

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**MANUFACTURER:** BOTANICARE  
6858 W. CHICAGO ST. #3  
CHANDLER, AZ 85226

**PHONE NO:** (480) 777-2000

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**I. HAZARDOUS INGREDIENTS**

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Phosphoric Acid CAS NO. 7664-38-2

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**II. PHYSICAL AND CHEMICAL CHARACTERISTICS**

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**INCOMPATIBILITY:** Avoid contact with materials such as sulfides and sulfites which could release toxic gases and use caution in mixing with strong bases because of high heat of reaction can generate steam.

**SOLUBILITY:** Soluble

**APPEARANCE:** Clear, colorless liquid

**MELTING POINT:** N/A

**SPECIFIC GRAVITY:** 1.575

**VAPOR PRESSURE:** @ 20 C (mm Hg.): .0285 (100% acid)

**BOILING POINT:** (760 mmHG): 135 C

**LBS/GAL** @C:13.17\_C:13.17

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**III. FIRE AND EXPLOSION DATA**

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**FLASH POINT:** Non-Flammable

**AUTOIGNITION:** N/A

**EXTINGUISHING MEDIA:** Media as needed to control primary source of fire

**SPECIAL FIREFIGHTING PROCEDURES:** Wear respirator. Control runoff water.

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**IV. PHYSIOLOGICAL & HEALTH EFFECTS**

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**POTENTIAL CARCINOGEN DATA:** Not listed.

**CAUTION:** Do not get in eyes, on skin or on clothing. Avoid breathing mist. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

Acute Oral LD50 (Rat): 4400 mg/kg

Acute Dermal LD50 (Rabbit): 3160 mg/kg slightly toxic

Eye Irritation FHSA 24-HR Rabbit: Corrosive

Skin Irritation FHSA 24-HR Rabbit: Corrosive

Skin Corrosion 4-HR DOT Rabbit: Non corrosive.

The results of the acute oral and dermal tests indicate that these concentrations of phosphoric acid are slightly toxic by ingestion in single oral doses and by single dermal applications. Following a 24-hour exposure, irreversible eye and skin damage occurred at all tested concentrations of Phosphoric Acid.

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**V. EMERGENCY & FIRST AID PROCEDURES**

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**EYES:** Wash eyes for at least 15 minutes. Seek medical attention if irritation persists.

**SKIN:** Dermal contact is expected to be the primary route of occupational exposure to Phosphoric Acid. This product is corrosive to the eyes and skin. Phosphoric Acid may not produce an immediate burning sensation upon skin contact, delaying the awareness of the worker that contact has occurred.

**INHALATION:** Phosphoric acid has a low vapor pressure at room temperature and is not expected to present a significant inhalation hazard under ambient conditions. Phosphoric acid can, however, be irritating to the respiratory tract if inhaled as a mist or if the material is vaporized.

**INGESTION:** Slightly toxic.

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**VI. SPECIAL PROTECTIVE INFORMATION**

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**EYE PROTECTION:** To minimize eye contact, wear chemical goggles while handling this material. Have eye

baths immediately available.

**SKIN PROTECTION:** To minimize skin contact, wear full length clothing or protective clothing, gloves and boots which are appropriate for the accompanying chemical product being mixed. **RESPIRATORY PROTECTION:** Avoid breathing spray mist.

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**VII. ENVIRONMENTAL PROTECTION**

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**ENVIRONMENTAL IMPACT:** This product, when used as directed by the label, is not expected to have any significant impact on the environment.

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**PRECAUTIONS IF MATERIAL IS RELEASED OR SPILLED:** Contain spill. Absorb in inert material. Place in disposable contain. Flush area till clean with water to dilute to a harmless solution. Neutralize cautiously with a base such as soda ash.

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**WASTE DISPOSAL METHODS:** Dispose of waste materials and containers according to local, state and federal regulations.

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**VIII. SPECIAL PRECAUTIONS**

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Read and observe all precautions on the product label. Keep product in original container.

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**DATE PREPARED:** 10/01/2012

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THE ABOVE INFORMATION IS BASED ON DATA OF WHICH WE ARE AWARE AND IS BELIEVED TO BE CORRECT AS OF THE DATE HEREON. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR AND SINCE DATA MADE AVAILABLE SUBSEQUENT TO THE DATE HEREOF MAY SUGGEST MODIFICATIONS OF THIS INFORMATION, WE DO NOT ASSUME ANY RESPONSIBILITY FOR THE RESULTS OF ITS USE. THIS INFORMATION IS FURNISHED UPON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS OWN DETERMINATION OF THE SUITABILITY OF THE MATERIAL FOR HIS PARTICULAR PURPOSE.