

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300

### Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### FORMULATED FOR:

OMEX AGRIFLUIDS, INC.  
24730 Avenue 13  
Madera, CA 93637

**24-Hour Emergency Phone:** 1-800-424-9300  
**Medical Emergencies:** 1-866-944-8565  
**U.S. Coast Guard National Response Center:**  
1-800-424-8802

**PRODUCT NAME:** PHORCEPHITE™ FUNGICIDE

**CHEMICAL NAME:** Mono- and Dipotassium salts of Phosphorous Acid

**CHEMICAL FAMILY:** Potassium Phosphite Fungicide

**EPA REG. NO.:** 86868-4

**SDS Number:** 001039-13-LPI

**SDS Revisions:** GHS

**Date of Issue:** 04/21/17

**Supersedes:** 03/13/13

### Section 2. HAZARDS IDENTIFICATION

#### Classification of the substance or mixture:

#### Hazard Classifications:

This product is not classified as dangerous according to GHS requirements and OSHA HCS (NPRM) standards.

#### Signal Word:

None

#### Hazard Statements:

H316 Causes mild skin irritation  
H320 Causes eye irritation

#### Precautionary Statements:

#### KEEP OUT OF REACH OF CHILDREN

Wash hands thoroughly after handling.

Avoid contact with eyes, skin or clothing. Wear safety glasses or goggles when handling undiluted product.

Once product is diluted, eye protection is no longer required.

Do not eat, drink, or smoke when using this product.

Wear protective gloves.

IF ON SKIN: Wash with plenty of water. If skin irritation occurs, get Medical attention. IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

### Section 3. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>TLV (Units)</u>
Mono Potassium Phosphate	40.80	Mixture	not listed
Mono Potassium Phosphite	28.10	Mixture	not listed
Inert Ingredients	31.10		

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**Section 4. FIRST AID MEASURES**

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- If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.
- If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes then continue rinsing eye. Call a poison control center or doctor for treatment advice.
- If swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565.**

Have the product label or container with you when calling a poison control center or doctor, or going for treatment.

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**Section 5. FIRE FIGHTING MEASURES**

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**FLASH POINT (°F/Test Method):** >212 °F / >100 °C (TCC)

**FLAMMABLE LIMITS (LFL & UFL):** Not established

**EXTINGUISHING MEDIA:** Dry Chemical, Carbon Dioxide, Foam, Water Class BC, and ABC fire extinguishers

**HAZARDOUS COMBUSTION PRODUCTS:** Can decompose at high temperatures and release phosphorous oxides and phosphine.

**SPECIAL FIRE FIGHTING PROCEDURES:** Use water spray to cool containers exposed to fire. Remain upwind. Avoid breathing smoke. Wear self-contained breathing apparatus and full protective gear.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None known

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**Section 6. ACCIDENTAL RELEASE MEASURES**

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**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**

Dike area to prevent contamination of water bodies. Absorb liquid spills with clay or other suitable absorbent. Sweep up absorbed liquids and place in containers for proper disposal. Decontaminate spill area with soap and water; flush spill area with additional water. Check local, state and federal regulations for proper disposal.

**CAUTION:** Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

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**Section 7. HANDLING AND STORAGE**

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**HANDLING:** Wash hands after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

**STORAGE:** Store in a cool, dry place. Store product in original container away from children and domestic animals. Protect pesticide containers from extreme heat and cold. A reversible separation of ingredients may occur after prolonged storage. This separation has no effect on quality of effectiveness of product and agitation will re-suspend mixture. Do not use or store near heat or open flame. Do not contaminate water, food, or feed by storage or disposal.

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**Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**ENGINEERING CONTROLS:** When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**RESPIRATORY PROTECTION:** Not normally required. If vapors or mists exceed acceptable levels, wear a MSHA/NIOSH approved pesticide respirator that has been properly fit-tested.

**EYE PROTECTION:** Chemical goggles or shielded safety glasses.

**SKIN PROTECTION:** Wear protective clothing: coveralls over short-sleeved shirts and short pants, chemical-resistant gloves, and chemical-resistant footwear.

**OSHA PEL 8 hr TWA:** None established

**ACGIH TLV-TWA:** None established

**Personal Protective Equipment (PPE): Applicators and other handlers must wear:** long sleeved shirt and long pants, chemical resistant gloves made of any waterproof material, shoes plus socks, and protective eyewear. Follow manufacturer's instructions for cleaning and maintaining PPE. If no instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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**Section 9. PHYSICAL AND CHEMICAL PROPERTIES**

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**APPEARANCE AND ODOR:** Clear, colorless liquid with no odor.

**SOLUBILITY:** Soluble

**SPECIFIC GRAVITY (Water = 1):** 1.653 g/ml

**BULK DENSITY:** 13.80 lbs/gal.

**pH:** 4.34 (1% solution)

**VAPOR PRESSURE:** Not established

**BOILING POINT:** Not available

**PERCENT VOLATILE (by volume):** Not applicable

**EVAPORATION RATE:** Not available

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

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**Section 10. STABILITY AND REACTIVITY**

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**STABILITY:** Stable

**CONDITIONS TO AVOID:** None known.

**INCOMPATIBILITY:** Strong oxidizers and water reactive materials.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Can decompose at high temperatures and release phosphorous oxides and phosphine.

**HAZARDOUS POLYMERIZATION:** Will not occur.

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**Section 11. TOXICOLOGICAL INFORMATION**

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<b>Acute Oral LD50 (rat):</b>	>5,000 mg/kg
<b>Acute Dermal LD50 (rabbit):</b>	>5,000 mg/kg
<b>Eye Irritation (rabbit):</b>	Moderately irritating
<b>Skin Irritation (rabbit):</b>	Slightly irritating
<b>Inhalation LC50 (rat):</b>	Not established
<b>Skin Sensitization (guinea pig):</b>	Not a skin sensitizer

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**Carcinogenic Potential:** None listed in OSHA, NTP, or ACGIH.

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### Section 12. ECOLOGICAL INFORMATION

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Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters. Do not apply when weather conditions favor drift from the areas treated. Do not apply where runoff is likely to occur. Do not use in a manner or at a time other than in accordance with label directions because animal, plant or crop injury, or other undesirable results may occur.

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### Section 13. DISPOSAL CONSIDERATIONS

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**PESTICIDE DISPOSAL:** Wastes resulting from this product may be disposed of on-site or at an approved waste disposal facility. Improper disposal of excess pesticide, spray mix, or rinsate is a violation of federal law. If these wastes cannot be disposed of according to label instructions, contact the state agency responsible for pesticide regulation or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL: Non-refillable container.** Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact The Agricultural Container Recycling Council (ACRC) at [www.acrcycle.org](http://www.acrcycle.org). If not recycled, then puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

**For packages up to 5 gallons: Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

**For packages greater than 5 gallons and less than 56 gallons: Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

**For packages greater than 56 gallons:** To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

**For refillable containers:** Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Do not contaminate water, food or feed by storage or disposal.

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### Section 14. TRANSPORT INFORMATION

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**DOT Shipping Description:** NOT REGULATED BY US DOT

**U.S. Surface Freight Classification:** INSECTICIDES OR FUNGICIDES, INSECT OR ANIMAL REPELLENTS; NOI; OTHER THAN POISON (NMFC 102120; CLASS: 60)

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**Section 15. REGULATORY INFORMATION**


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**NFPA & HMIS Hazard Ratings:**

## NFPA

1 Health  
0 Flammability  
0 Instability

0 Least  
1 Slight  
2 Moderate  
3 High  
4 Severe

## HMIS

1 Health  
0 Flammability  
0 Reactivity  
B PPE

**SARA Hazard Notification/Reporting****SARA Title III Hazard Category:**

Immediate Y  
Delayed N

Fire N  
Reactive N

Sudden Release of Pressure N

**Reportable Quantity (RQ) under U.S. CERCLA:** Not listed

**SARA, Title III, Section 313:** Not listed

**RCRA Waste Code:** Not listed

**CA Proposition 65:** Not listed

**CAUTION** – This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals.

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**Section 16. OTHER INFORMATION**


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**SDS STATUS:** Sections 15 and 16 revised

**PREPARED BY:** Registrations and Regulatory Affairs

**REVIEWED BY:** Environmental Health and Safety

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