

**1. IDENTIFICATION**

Product name: SulfOMEX™ Fungicide  
 EPA Registration Number: 86868-2

Chemical name of active ingredient(s): Mono-potassium salts of Phosphorous Acid  
 Chemical Class: Potassium Phosphate Fungicide

Registrant/Manufacturer: Omex Agrifluids, Inc.  
 24730 Ave. 13  
 Madera, CA 93637

For Medical Emergencies, call the National Poison Control Center at: (800) 222-1222

**2. COMPOSITION/INFORMATION ON INGREDIENTS**Information on hazardous ingredients

<u>Material</u>	<u>Percentage by weight</u>	<u>CAS No.</u>	<u>OSHA/PEL</u>	<u>ACGIH/TLV</u>	<u>TLV Units</u>
Mono Potassium Phosphate	31.10	Mixture	None Established	None Established	Not listed
Sulfur	31.10	Mixture	None Established	None Established	Not listed
Other Ingredients	37.80				

**3. HAZARDS IDENTIFICATION**

**KEEP OUT OF REACH OF CHILDREN - CAUTION** - Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wear safety glasses or goggle when handling undiluted product. Once product is diluted, eye protection is no longer required. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

This product is a yellow liquid suspension with sulfur odor.

**4. FIRST AID**

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable mouth to mouth, if possible. Call a poison control center or doctor for further 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 a 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 emergency Medical Response and Hazard Communications only, call the National Poison Control Center at (800) 222-1222. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**5. FIRE FIGHTING MEASURES**

**FLASH POINT (Test method):** Not flammable

**FLAMMABLE LIMITS (% in air):** 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, EXPLOSION, AND REACTIVITY HAZARDS:** None known

## 6. ACCIDENTAL RELEASE MEASURES

**IN CASE OF SPILL OR LEAK:** 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.

## 7. HANDLING AND STORAGE

**HANDLING:** Wash hands 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. Wash outside of the gloves before removing. As soon as possible wash thoroughly and change into clean clothing.

**STORAGE:** Store in a cool dry area under lock and key. Post as a pesticide storage area. Always store pesticides in the original container. Store away from food, pet food, feed, seed, fertilizers and veterinary supplies. Avoid extreme variations in temperature. A reversible separation of ingredients may occur after prolonged storage. This separation has no effect on quality or effectiveness of product and agitation will resuspend mixture.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

**ENGINEERING CONTROLS:** When handlers use closed systems, enclosed cabs, or aircraft 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 shield safety glasses

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

**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, protective eyewear, chemical-resistant headgear for overhead exposure.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Yellow liquid suspension

**ODOR:** Practically odorless

**SPECIFIC GRAVITY (Water = 1):** 1.566 g/ml

**BULK DENSITY:** 13.06 lbs./gal.

**pH:** 4.49

**SOLUBILITY IN WATER:** 69% Soluble

**VAPOR PRESSURE:** Not established

**FLAMMABILITY:** >100°C

**EVAPORATION RATE:** Not Available

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

**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 or any specific lot or as specification items.

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable

**CONDITIONS TO AVOID:** None known

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

**HAZARDOUS POLYMERIZATION:** Will not occur

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

#### 11. TOXICOLOGICAL INFORMATION

**ORAL ACUTE TOXICITY:** LD<sub>50</sub> (rat): >5,000 mg/kg

**DERMAL ACUTE TOXICITY:** LD<sub>50</sub> (rabbit): >5,000 mg/kg

**INHALATION ACUTE TOXICITY:** LC<sub>50</sub> (rat): Not Established

**EYE IRRITATION (rabbit):** Minimally irritating

**SKIN IRRITATION (rabbit):** Moderately irritating – PDII 2.3

**SKIN SENSITIZATION (guinea pig):** Not a contact sensitizer

**CARCINOGENIC POTENTIAL:** None listed in OSHA, NTP, or ACGIH

#### 12. ECOLOGICAL INFORMATION

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 was water. 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.

#### 13. DISPOSAL CONSIDERATIONS:

**PESTICIDE DISPOSAL:** To avoid wastes, use all material in this container by application, according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

**CONTAINER DISPOSAL:** Nonrefillable Container (five gallons or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. 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 container 1/4 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.

Nonrefillable Container (greater than five gallons): Nonrefillable container. Do not reuse or refill container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill container 1/4 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.

#### 14. TRANSPORT INFORMATION:

**DOT CLASSIFICATION:** NOT REGULATED BY USDOT.

**U.S. SURFACE FREIGHT CLASSIFICATION:** INSECTICIDES OR FUNGICIDES, INSECT OF ANIMAL REPELLENTS; NOI, OTHER THAN POISOM (NMFC 102120; Class; 60)

#### 15. REGULATORY INFORMATION:

##### 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  
H PPE

**SARA HAZARD NOTIFICATION/REPORTING**

**SARA TITLE III CLASSIFICATION:**

Immediate	<u>Y</u>	Fire	<u>N</u>	Sudden Release of Pressure	<u>N</u>
Delayed	<u>N</u>	Reactive	<u>N</u>		

**CERCLA Reportable Quantity (RQ):** Not listed

**SARA TITLE III, SECTION 313:** Not listed

**RCRA CLASSIFICATION:** Not listed

**CA PROPOSITION 65:** Not listed

**16. OTHER INFORMATION:**

**MSDS Issued:** June 20, 2012

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