



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: OxiPhos®
Product Type: Bactericide/Fungicide
Manufacturer:
BioSafe Systems, LLC
22 Meadow St., East Hartford. CT 06108
Telephone #: 1.888.273.3088
Emergency: CHEMTRAC: 800-424-9300
(24 HOURS EVERY DAY)
Creation Date: 07.2013

EPA Registration No. 70299-22

2. COMPOSITION/INFORMATION

Mono and Di Potassium Salts of Phosphorus
Acid.....27.1%
Contains 17.7% by wt. of Phosphorus Acid CAS# 13598-36-2
Hydrogen Peroxide..... CAS#7722-84-1..... 14%
Other Ingredients.....58%

HAZARDOUS COMPONENTS

Hydrogen PeroxideCAS#7722-84-1.....14%

3. HAZARDS IDENTIFICATION

Hazard Classification: Oxidizer

Signal Word: Danger

Hazard Statements: Strong oxidizing agent. Do not use in concentrated form. Never bring concentrate in contact with other pesticide, cleaners or oxidative agents.

Precautionary Statements: Health effects to over exposure to CONCENTRATE. Corrosive to mucous membranes, eyes and skin. The seriousness of the lesions and the prognosis of intoxication depend directly on the concentration and duration of exposure.

Skin: May cause TEMPORARY skin discoloration and irritation

Eyes: May cause severe eye damage

Ingestion: HARMFUL OR FATAL: Causes chemical burns of mouth, throat and stomach. Corrosive to gastrointestinal tract. May cause paleness and cyanosis of the face, excessive fluid in the mouth and nose, bloating, belching, nausea and vomiting. Risk of chemical pneumonitis and pulmonary edema

Inhalation: Vapors or mist can cause irritation. People with asthma or other lung problems may be more affected.

4. FIRST AID MEASURES

General recommendations:

In case of product splashing in eyes, treat eyes first. Submerge soil clothing in water Contact physician in all cases

Eyes: Immediately flush with plenty of cool running water. Remove contact lenses. Continue flushing for at least 15 minutes, holding eyelids apart to ensure rinsing of the entire eye. Administer analgesic eyewash (oxybuprocaine) Call a physician immediately.

Skin: Immediately flush skin with plenty of cool, running water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion: Rinse mouth at once; drink 1 or 2 large glasses of water or milk. DO NOT induce vomiting. NEVER give anything by mouth to an unconscious person. Take person to the hospital.

Inhalation: Immediately move a person to fresh air.

5. FIRE FIGHTING MEASURES

Special fire hazards: Product (concentrate) can decompose and will release oxygen thereby adding to the fire hazard.

Fire fighting methods: Product is not flammable and can be quickly diluted with clean water. Oxidizing Agent may cause spontaneous ignition with oxidizing agents.

6. ACCIDENTAL RELEASE MEASURES

Cleanup: Rinse small amounts to drain when possible. Dike or dam large spills, pump to containers or soak in inert absorbent. Flush residue to sanitary sewer, rinse area thoroughly with clean water. Avoid materials that are incompatible with concentrate.

Waste Disposal: Consult state and local authorities for restrictions on disposal of chemical wastes. Unused product (concentrate) is classified as a (D002) by RCRA criteria.

7. HANDLING AND STORAGE

Never return product back to the original container. Keep concentrate away from reactive substances. Prevent contact with organic materials. Keep product in original container. Store in cool, ventilated area. Keep out of direct sunlight. Never use metal containers or spigots. Use vented container. Warn personnel of dangers of concentrated product

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory: Avoid breathing mists or vapors of concentrate.

Eyes: Use chemical splash goggles when handling concentrate. For continued severe exposure, wear a face shield over the goggles.

Skins: To avoid contact with skin, wear long pants, long-sleeved shirt, socks, shoes and chemical resistant gloves. An emergency shower or water supply should be readily accessible to the work area.

Hydrogen Peroxide:

ACGIH TLV: 1 PPM 8 HOUR TWA 1.4 mg/m3 TWA

OSHA PEL: 1 PPM 8 HOURS TWA 1.4 mg/m3 TWA

Mono and Dipotassium phosphites: Not established

Respiratory Protection:

NIOSH approved full-face respirator for excessive conditions

Hand gloves for handling concentrate = butyl rubber

Eye protection - chemical proof goggles/face shield for splash risk

Skin protection coveralls when handling concentrate

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, colorless liquid

Odor: No distinct odor

Freezing Point: Not determined

Boiling Point: Not determined

pH: 4.85

Specific Gravity: 1.35

Solubility: Soluble

Decomposition Temperature: Self-accelerating decomposition temperature >55°C (>131°F)

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal handling and storage conditions, with slow oxygen release.

Conditions to avoid: Excessive heat/direct sunlight. Do not store near heat or flame

Incompatible Materials: acids, bases, reducing agents, organic materials, metals, salts of metals.

11. TOXICOLOGICAL INFORMATION

No data available

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Store in original containers in a cool, well-vented area, away from direct sunlight. Do not allow product to become overheated in storage. This may cause increased degradation of the product, which will decrease product effectiveness. In case of spill, flood area with large quantities of water. Do not store in a manner where cross-contamination with other pesticides or fertilizers could occur. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Open dumping is prohibited. If wastes cannot be disposed of according to label directions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Triple rinse (or equivalent). Then offer for recycling or dispose in a sanitary landfill, or incineration, if allowed by state and local authorities by burning.

14. TRANSPORT INFORMATION

DOT Shipping Name: Hydrogen Peroxide, Aqueous Solutions **UN Number:** 2984

Hazard Class: 5.1

Primary Hazard Label: Oxidizer

Packing Group: III

Shipping Container: UN Certified vented polyethylene. 2.5, 5, 30, 55 and 275 gallon polyethylene drums

15. REGULATORY INFORMATION

Not determined

16. OTHER INFORMATION

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