



## SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identity:** ArborFos™ Systemic Fungicide  
**Synonym:** None  
**Product Use:** Systemic Fungicide for tree injection only  
**EPA Registration No.:** 7946-26  
**Product Type:** Liquid  
**Company Name:** J. J. MAUGET COMPANY  
**Company Address:** 5435 PECK ROAD  
ARCADIA, CA 91006-5847  
626-444-1057  
**Tel:**  
**Emergency Contact:** INFOTRAC 1-800-535-5053  
911

### 2. HAZARDS IDENTIFICATION



**Classification:**

Eye Irritation (Acute): GHS Category 2  
Skin Irritation (Acute): GHS Category 2  
Oral Toxicity (Acute): GHS Category 4  
Inhalation Toxicity (Acute): GHS Category 2

**Signal Word**

WARNING

**Hazard Statements:**

H302 – Harmful if swallowed  
H333 – May be harmful if swallowed or inhaled  
H315 – Causes skin irritation  
H320 – Causes eye irritation

**Precautionary Statements - Prevention:**

P264 – Wash hands thoroughly after handling  
P270 – Do not eat, drink, or smoke when using this product  
P280 – Wear protective gloves

**Precautionary Statements - Response:**

P301+P317 - IF SWALLOWED: Get medical help  
P330 – Rinse mouth  
P304+P317 – IF INHALED: Get medical help  
P302+P352 – IF ON SKIN: Wash with plenty of soap and water  
P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P332+P317 – If skin irritation occurs: Get medical help  
P362+P364 – Take off contaminated clothing and wash before reuse

**Precautionary Statements - Disposal:**

P501 – Dispose of contents/container in accordance with local, state, and federal regulations

**Emergency Overview**

May cause irritation to the eyes, skin, and respiratory tract. Maybe harmful if swallowed, inhaled, or absorbed through the skin. Combustible liquid and vapor. Hygroscopic.

**HMIS Rating:**

Health – 2 Flammability – 1 Physical Hazard – 1 PPE – User supplied

NOTE: HMIS ratings use a numbering scale that ranges from 0 - 4 to indicate the degree of hazard. A value of zero means the chemical presents no hazard while a value of four indicates a high hazard. These ratings are based on the inherent properties of this chemical under expected conditions of normal use and are not intended to be used in emergency situations. PPE is determined by the user based on their needs and conditions.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

	CAS NOS.	OSHA PEL	ACGIH TLV	% Ingredient
Mono & di Potassium salts of Phosphorous Acid	13977-65-6 & 13492-26-7	N/A	N/A	45.8

\*\*Ingredients not listed are considered a trade secret and are withheld under 29 CFR 1910.1200(i).\*\*

### 4. FIRST AID MEASURES

<b>INGESTION:</b>	Call a poison control center or doctor immediately for treatment advice. Have person rinse mouth with water. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
<b>SKIN CONTACT:</b>	Take off contaminated clothing. Rinse skin immediately with plenty of soap and water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice.
<b>EYE CONTACT:</b>	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.
<b>INHALATION:</b>	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.

#### Most important symptoms and effects

Symptoms: Irritating to eyes, skin, and respiratory system. Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

**NOTE TO PHYSICIAN:** There is no specific antidote available. Treat patient symptomatically.

### 5. FIRE FIGHTING MEASURES

This is not a flammable material.

**Flash Point:** Not available

**Auto-ignition Temperature:** Not available

**Flammability Limits:** Not available

**Special Fire Fighting Procedures:** As in any fire, fire-fighters should wear approved self-contained breathing apparatus and full protective gear. Suitable for most extinguishing media.

**Hazardous Decomposition Materials (Under Fire Conditions):** Non-determined.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

**Environmental Precautions:** Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

**Methods for Containment:** Dike spill using absorbent or impervious materials such as earth, sand, or clay. Collect and contain contaminated absorbent and dike material for disposal.

**Methods for Cleanup and Disposal:** Pump any free liquid into an appropriate closed container. Collect washings for disposal. Decontaminate tools and equipment following cleanup. See Section 13.

**Other Information:** Large spills may be reportable to the state and/or local regulatory agencies.

### 7. HANDLING AND STORAGE

**Handling:** Avoid breathing vapor or spray mist. Avoid contact with eyes, skin or clothing. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if product gets inside. Then wash thoroughly and put on clean clothing. Remove Personal Protective Equipment (PPE) immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**Storage:** This product should be stored in its original container under cover in a cool, dry place out of reach of children and out of direct sunlight. Store away from combustible materials, herbicides, and fungicides. Do not use or store near open flame and heat source. Do not contaminate water, food or feed by storage or disposal. If transfer to another container becomes necessary, ensure that the container is clearly labelled, the container is a type suitable for the product, and is clean and free of other materials.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eye/Face Protection:** To avoid contact with eyes, wear chemical goggles or shielded safety glasses. An emergency eyewash or water supply should be readily accessible to the work area.

**Skin Protection:** 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.

**Respiratory Protection:** Not applicable.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid
pH:	7.5 – 8.0
Melting Point/Freezing Point:	Not determined
Boiling Point:	> 100°C
Flash Point:	Not determined
Evaporation Rate:	Not determined
Flammability (Solid, Gas)	Liquid-not applicable
Upper Flammability Limits	Not determined
Lower Flammability Limit	Not determined
Vapor Pressure:	Not determined
Vapor Density:	Not determined
Specific Gravity	1.55 – 1.60
Solubility in Water:	Miscible
Solubility in other solvents:	Not available
Partition Coefficient	Not determined
Auto-ignition Temperature	Not determined
Decomposition Temperature	Not determined
Kinematic Viscosity	Not determined
Dynamic Viscosity	Not Determined
Explosive Properties	Not Determined
Oxidizing Properties	Not Determined

**Note:** Physical data are typical values, but may vary from sample to sample. A typical value should not be construed as a guaranteed analysis or as a specification.

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal handling and storage conditions.

**Conditions to avoid:** Excessive heat. Do not store near heat or flame.

**Materials to avoid:**

1. Strong bases
2. Strong acids
3. Strong oxidizing agents – may decompose
4. Strong reducing agents – may decompose
5. Metals – is corrosive to most

## 11. TOXICOLOGICAL INFORMATION

**Toxicological Data:** Data from laboratory studies on this product are summarized below:

<b>Oral:</b>	LD50 > 5000 mg/kg (in rats)
<b>Dermal:</b>	LD50 > 5000 mg/kg (in rats)
<b>Inhalation:</b>	LC50 > 2.05 mg/L (in rats)
<b>Eye Irritation:</b>	Classified as minimally irritating to the eye (in rabbits)
<b>Skin Irritation:</b>	Classified as non-irritating to the skin (in rabbits)
<b>Skin Sensitization:</b>	Not considered to be a contact dermal sensitizer at concentrations less than or equal to 50% (in mice)

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Not available

**Soil Adsorption / Mobility:** Not available

## 13. DISPOSAL CONSIDERATIONS

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR Part 261. For disposal of wastes generated during use or if the material as supplied becomes a waste, dispose as directed on the label. Do not reuse container.

Observe all federal, state, and local laws concerning health and environment.

## 14. TRANSPORT INFORMATION

Technical Shipping Name: Mono & di Potassium salts of Phosphorous Acid  
Freight Class Bulk: Fungicides, NOI (NMFC 102120)  
Freight Class Package: Fungicides, NOI (NMFC 102120)  
Product Label: ArborFos™

### DOT Classification

PROPER SHIPPING NAME: Pesticides, Liquid, Non-regulated  
HAZARD CLASS or DIVISION: Not regulated  
PACKING GROUP: N/A

### ICAO/IATA

PROPER SHIPPING NAME: Pesticides, Liquid, Non-regulated  
HAZARD CLASS or DIVISION: Not regulated  
IDENTIFICATION NUMBER: N/A

### B/L Freight Classification

Pesticides, Liquid, Non-regulated

### IMO

PROPER SHIPPING NAME: Pesticides, Liquid, Non-regulated  
HAZARD CLASS or DIVISION: Not regulated  
PACKING GROUP: N/A

For further information relative to spills resulting from transportation incidents, refer to the latest Department of Transportation (DOT) Emergency Response Guidebook for Hazardous Materials Incidents.

## 15. REGULATORY INFORMATION

OSHA: This product is considered hazardous under the criteria of the OSHA Hazard Communication Standard 29 CFR Part 1910.1200.

TSCA: The product is exempt from TSCA regulation under FIFRA Section 3(2)(B)(ii) when used as a pesticide.

CERCLA: Potassium hydroxide (CAS No. 1310-58-3) is listed as a CERCLA Hazardous Substance (40 CFR 302.4).

RCRA: It is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

EPA Reg. No. 7946-26 and 7946-31

This chemical is a pesticide product registered by the 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, and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

Following is the hazard information as required on the pesticide label:

Caution

### Hazards to Humans and Domestic Animals:

Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing vapors or spray mist. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Wear protective eyewear

### Environmental Hazards:

For terrestrial uses. 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, washwater, or rinsate.

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California Addendum (Proposition 65) Safe Drinking Water and Toxic Enforcement Act of 1986.

This product contains no chemicals known to the State of California to cause cancer.

This product contains no chemical, known to the State of California to cause birth defects or other reproductive harm.

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## 16. OTHER INFORMATION

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The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein.