



## 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
Tel:	626-444-1057
Fax:	626-444-7414
Emergency Contact:	INFOTRAC 1-800-535-5053 911

### 2. HAZARDS IDENTIFICATION

**Classification:**

Eye Irritation: GHS Category 2

**Label Elements**

**Signal Word:** CAUTION!

**Hazard Statements:**

R20/21/22 = Harmful by inhalation, in contact with skin and if swallowed

R36 = Irritating to eyes

(S1/2) = Keep locked up and out of the reach of children

S23 = Do not breathe vapour/spray

S24/25 = Avoid any inhalation, contact with skin and eyes.

**Precautionary Statements:**

S26 = In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S27/28 = After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water

S29 = Do not empty into drains

S36/37/39 = Wear suitable protective clothing, gloves and eye/face protection

**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

Active ingredient (% w/w): Mono & di Potassium salts of Phosphorous Acid (45.8%)

CAS Nos.: 13977-65-6 & 13492-26-7

Chemical Name: Mono & di Potassium salts of Phosphorous Acid

Chemical Class: Fungicide



EPA Signal Word: Caution

	<u>CAS</u> <u>NO.</u>	<u>OSHA</u> <u>PEL</u>	<u>ACGIH</u> <u>TLV</u>	<u>% Ingredient</u>
Mono & di Potassium salts of Phosphorous Acid	13977-65-6 & 13492-26-7	N/A	N/A	45.8

#### 4. FIRST AID MEASURES

**INGESTION:** 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 a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**SKIN CONTACT:** 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.

**EYE CONTACT:** 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.

**INHALATION:** 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.

#### Potential Health Effects

##### Acute Effects

##### Principle Routes of Exposure

**Eyes:** Irritating to eyes.

**Skin:** Irritating to skin. May be absorbed through the skin in harmful amounts.

**Inhalation:** Irritating to respiratory system. May be harmful if inhaled.

**Ingestion:** May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Chronic Effects:** None listed

**HOT LINE NUMBER:** Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may contact **INFOTRAC 1-800-535-5053** for emergency treatment information.

**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:** Fire-fighters should wear approved self-contained breathing apparatus and full fire-fighting turn out gear. Dike area to prevent runoff and contamination of water sources. Suitable for most extinguishing media.

**Hazardous Decomposition Materials (Under Fire Conditions):** This is not a flammable product. In smoke or fumes wear self contained breathing apparatus. Advise fire brigade of any hazards.

#### 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 vapour 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

**Personal Protective Equipment (PPE):**

**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

**Boiling Point:** > 100°C

**Solubility in Water:** Soluble

**Specific Gravity** 1.55 – 1.60

**pH:** 7.5 – 8.0

**Evaporation Rate:** Not available

**Vapour Density:** Not available

**Vapour Pressure:** Not available

**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

**Chemical Stability:** This material is stable under normal handling and storage conditions.

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

Avoid contact with:

1. Strong bases
2. Strong acids
3. Strong oxidising 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:

**Oral:** LD50 > 5000 mg/kg (in rats)  
**Dermal:** LD50 > 5000 mg/kg (in rats)  
**Inhalation:** LC50 > 2.05 mg/L (in rats)  
**Eye Irritation:** Classified as minimally irritating to the eye (in rabbits)  
**Skin Irritation:** Classified as non-irritating to the skin (in rabbits)  
**Skin Sensitization:** Not considered to be a contact dermal sensitiser 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: Reportable Quantity not applicable.

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.

---

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

The following specific warnings are hereby given relative to substances that the State of California has identified as carcinogens and/or reproductive hazards under Proposition 65:

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

---

**16. OTHER INFORMATION**

MSDS Issue Date: September 17, 2015

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.