



Distributor for ICA TriNova, LLC

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ICA Customer Service
 770.683.9181, 10-4 M-F

**FruitGard® Maintenance
 COMPONENT B**

Safety Data Sheet

1.) PRODUCT CHEMICAL AND COMPANY IDENTIFICATION

Last Revision: 06/18/2013
 Product Name: **FruitGard® Component B (MAINTENANCE)**
 Synonyms: Ortho-phosphoric acid; white phosphoric acid
 Chemical Name: Phosphoric Acid
 Company Name: ICA TriNova, LLC
 1 Beavers Street, Ste B
 Newnan, Georgia 30263

2.) PRODUCT COMPONENT/ COMPOSITION INFORMATION

CHEMICAL NAME	PROPRIETARY	CAS NUMBER	WT. % RANGE
INGREDIENT A	Phosphoric Acid (impregnate)	7664-38-2*	40.00% OR LESS*
INGREDIENT B	YES	N/A	99.00% OR LESS

According to 29 CFR 1910:1200 the identity and specific formulation of ingredients has been withheld as CONFIDENTIAL and TRADE SECRET. FruitGard® Maintenance PART B shall be a consistent formulation of ingredients. Compound derivations thereof, are included in the formulation independently or in combination as integrated activation control substances.

*CAS numbers and derivative percentage weights are shown for the pre-processed materials. "Non-Hazardous" designation is pertinent to the manufactured impregnate since the ingredients are not separable when shipped. The ingredients as employed in their impregnated state are non-hazardous. Individual MSDS' for the preprocessed material ingredients are available on request.

3.) HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance: Granular white or off-white powder, solid crystalline structure
 Properties: Strong oxidizer, 1% to 20% soluble in water @ 25° C
 Odor: None

POTENTIAL HEALTH EFFECTS

INGESTION: **DANGER**, Corrosive, harmful if swallowed. May cause all of the following symptoms: burns of the mouth, throat, and stomach, sore throat, abdominal pain, nausea, vomiting, diarrhea or ulceration.

INHALATION: Respiratory and/or gastro-intestinal irritant, inhalation may cause irritation of the mucous membranes and respiratory system characterized by coughing, burning, and sneezing. Extreme overexposure may result in lung damage.

EYE: Irritant, direct contact may cause severe irritation characterized by itching, redness and tearing. Extreme overexposure may result in eye damage due to burns.

SKIN: Irritant, direct contact may cause severe irritation characterized by itching, redness and/or edema. Extreme overexposure may result in tissue damage due to burns.

Other Chemical Interactions Which Enhance Toxicity: No known or reported interactions.

Existing Medical Conditions Aggravated By Exposure:

Eye irritation may result from prolonged exposure to low levels of dust. Prolonged dust inhalation may result in varying degrees of lung damage and/or mucous membrane irritation. Prolonged exposure of the skin may result in localized dermatitis, inflammation, and/or irritation. Prolonged exposure may aggravate allergies, pulmonary disorders and blood cell diseases.



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4). FIRST AID

- INGESTION:** **DO NOT** induce vomiting, if conscious have subject drink multiple glasses of water, **IMMEDIATELY** seek medical attention. Loosen any tight clothing. If the subject stops breathing begin mouth-to-mouth resuscitation. Examine face and oral cavity for soft tissue damage and indication of ingestion; irrigate any effected tissue thoroughly with water. **WARNING:** For cases involving ingested toxic, infectious, or corrosive materials administrating mouth-to-mouth resuscitation may be dangerous. **IMMEDIATELY** seek medical attention.
- INHALATION:** Evacuate subject to a well-ventilated safe area as soon as practical and loosen any tight clothing, **IMMEDIATELY** seek medical attention. The subject should minimize activity and rest in a well-ventilated area. If breathing is labored administer oxygen. If the subject stops breathing begin mouth-to-mouth resuscitation. **WARNING:** For cases involving inhaled toxic, infectious, or corrosive materials administrating mouth-to-mouth resuscitation may be dangerous. **IMMEDIATELY** seek medical attention.
- EYES:** If applicable, remove contact lenses. With open eyelids **IMMEDIATELY** irrigate eyes with cool or cold flowing water for at least 15 minutes. Do not use eye ointment of any type, flush with water **ONLY**. Seek medical attention **IMMEDIATELY**.
- SKIN:** In the case of direct contact, flush residual material and area of skin affected with generous amounts of cool or cold water for at least 15 minutes. Remove and launder any contaminated clothing prior to use. If irritation persists seek medical attention.

5). FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

- FLASH POINT:** Not applicable
AUTO IGNITION TEMPERATURE: Not applicable
FLAMMABLE LIMITS: Not applicable
EXTINGUISHING MEDIA: Not applicable; choose extinguishing media suitable for surrounding materials.

FIRE FIGHTING INSTRUCTIONS: Not applicable. Avoid fumes; approach fire from upwind position. Use sufficient amounts of water to submerge the product. Put out the fire using an agent suitable to combustible material in the surrounding environment.

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

6). ACCIDENTAL RELEASE MEASURES

LARGE SPILLS: Isolate hazard area and restrict access to necessary and protected personnel. Remove all sources of ignition and contain spill. Place contaminated material in a disposal container and thoroughly rinse spill area. Avoid material runoff into storm drains, ditches, or any pathways that lead to waterways. Never discharge into natural bodies of water.

SMALL SPILLS: Place all contaminated material in a disposal container and thoroughly rinse spill area with water. Ventilate the area thoroughly.

PERSONAL PROTECTION: Dust and/or vapor respirator, full-face splashguard and/or goggles, and impervious gloves. In situations where ventilation is inadequate wear appropriate respirator. Use a NIOSH/MSHA acid approved respirator or equivalent. Remove and launder all contaminated clothing prior to reuse. Eye wash facilities and emergency shower should be in close proximity.



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7). HANDLING AND STORAGE

HANDLING: Except when in use, do not open individual packages to expose media components; keep bulk media containers tightly closed when not in use. Avoid media contact with skin, eyes or clothing. Do not generate media dust. Do not breathe media dust or vapors. Avoid personal exposure and contact with media components.

STORAGE: Store materials in a cool, dry, well-ventilated location. Storage temperature should not exceed 100° F. Keep bulk media containers tightly closed when not in use. Do not store in open, mislabeled or unlabeled containers. Do not deface or remove labels. Do not expose stored materials to heat, moisture or direct sun light.

SHELF LIFE LIMITATIONS: 12 months

INCOMPATIBLE MATERIALS FOR STORAGE: Oxidizers, combustible materials, bases.

8). EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING MEASURES: If use operations generate dust, fumes, or mists use local exhaust ventilation, process enclosures, or other control means to minimize airborne exposure. Otherwise, use general exhaust ventilation or other air circulation means.

PERSONAL PROTECTIVE EQUIPMENT:

EYE AND FACE PROTECTION: Use a chemical approved full-face splashguard and goggles or safety glasses. Strong recommendation: maintain an eyewash station, shower, and washing facilities in a location near the material work area.

SKIN PROTECTION: Impervious gloves are recommended, but not required. Strong recommendation: maintain an eyewash station, shower, and washing facilities in a location near the material work area.

RESPIRATORY PROTECTION: Maintain a well-ventilated work area or local forced exhaust system. If ventilation is not acceptable or if exposure to vapor, dust or mist is possible wear a NIOSH/MSHA approved acid vapor respirator and dust/mist pre-filter.

9). CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE:	FORM:	Solid irregular shaped granules
	COLOR:	Off white, light tan to burnt orange
	ODOR:	Odorless
CHEMICAL FORMULA:		Proprietary
MOLECULAR WEIGHT:		Proprietary
MELTING POINT:		Not applicable
BOILING POINT:		Not applicable
pH:		Range: 1 to 5 at 25 C°
BULK DENSITY:		Range: 80 to 110 lbs/ft ³ packed
SOLUBILITY IN WATER:		Range: 1% to 10% at 25 C°
DECOMPOSITION TEMPERATURE:		Range: 160 to 180 C°
VOLATILES, % BY VOLUME:		Range: 1% to 25%

10). REACTIVITY AND STABILITY

STABILITY: Stable under ordinary conditions of use and storage.

REACTIVITY: Reactive with oxidizers and bases.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Avoid ignition sources and extended exposure to heat and moisture.



11). TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

INHALATION: Inhalation may cause irritation of the mucous membranes and respiratory system characterized by coughing, burning, and sneezing. Extreme overexposure may result in lung damage.

CHRONIC TOXICITY

INHALATION: No data available on any chronic effects.

INGESTION: No chronic effects are known.

CARCINOGENICITY: Product as a whole does NOT contain known carcinogens, (*i.e.* cancer causing agents).

MUTAGENICITY: The product as a whole does NOT cause mutations.

REPRODUCTIVE SYSTEM TOXICITY: The product as a whole, has NOT been found to be teratogenic

12). ECOLOGICAL INFORMATION

AQUATIC TOXICITY: No information found.

ECO TOXICITY: No information found.

ENVIRONMENTAL FATE: No information found..

13). DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be disposed of at an approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements. Product ingredients, as shipped, are not listed as RCRA hazardous waste and are considered inert. Characterization of waste and compliance with disposal regulations are the responsibility of the waste generator.

14). TRANSPORT INFORMATION

FruitGard® Maintenance PART B is non-hazardous for shipping purposes.

15). REGULATORY INFORMATION

U S FEDERAL REGULATIONS

REPORTABLE QUANTITY: None

TOXIC SUBSTANCES CONTROL ACT: Phosphoric acid is not listed on TSCA Inventory 12(b) or 8(d).

SARA TITLE III: Not subject to reporting requirements of Section 313 of Title III of the 1986 Superfund Amendments and Reauthorization Act (SARA) and 40 CFR Part 372.

SARA HAZARD CATEGORIES (311/312): Health: Immediate (Acute), None (Chronic)
Physical: None
Reactivity: None

16). OTHER INFORMATION

See *FruitGard*® product data sheets for further information on product applications, use instructions, health, safety, transport, storage, environmental, and disposal. For any other information contact ICA TriNova, LLC, 770.683.9181, 10 AM to 4 PM, (E), Monday - Friday.

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