



Safety Data Sheet

1.) PRODUCT CHEMICAL AND COMPANY IDENTIFICATION

Last Revision: 06/18/2013
Product Name: **FruitGard® Component B (WIPEOUT)**
Synonyms: Iron Chloride Hexahydrate; Ferric Trichloride Hexahydrate
Chemical Name: Ferric Chloride, Impregnate
Manufacturer's Name: **ICA TriNova, LLC**
1 Beavers Street, Ste B
Newnan, Georgia 30263

2.) PRODUCT COMPONENT/ COMPOSITION INFORMATION

CHEMICAL NAME	PROPRIETARY	CAS NUMBER	WT. % RANGE	HAZARDOUS
INGREDIENT A	YES	10025-77-1*	25.00%	NO*
INGREDIENT B	YES	N/A	99.00%	NO

According to 29 CFR 1910:1200 the identity and specific formulation of ingredients has been withheld as CONFIDENTIAL and TRADE SECRET. FruitGard® Wipeout PART B shall be a consistent formulation of ingredients. Ingredients C, D and/or compound derivations thereof, may be 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: Yellow brown deliquescent crystals
Properties: Corrosive, highly soluble in water
Odor: Slight odor of hydrochloric acid

POTENTIAL HEALTH EFFECTS

INGESTION: Swallowing can cause burns of the mouth, throat, and stomach. Low toxicity in small quantities but larger doses (120 mg/kg) may cause nausea, vomiting and diarrhea. Pink urine discoloration is a strong indicator of iron poisoning. Liver damage, coma and death may follow, sometimes delayed as long as three days.

INHALATION: Breathing fumes is destructive to tissues of the mucous membranes and upper respiratory tract. Symptoms may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.

EYE: Corrosive irritant. Contact can cause blurred vision, redness, pain and severe tissue burns.

SKIN: Corrosive. Symptoms of redness, pain, and severe burn can occur.

Chronic Exposure: Repeated ingestion may cause liver damage. Prolonged exposure of the eyes may cause discoloration.

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.



Distributor for ICA TriNova, LLC

1 Beavers Street Suite B
Newnan, Georgia 30263
PHONE (866) 622-7350
e-mail sales@sgenvironment.com

ICA Customer Service
770.683.9181, 10-4 M-F

**FruitGard® Wipeout
COMPONENT B**

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 affected tissue thoroughly with water. **WARNING:** For cases involving ingested toxic, infectious, or corrosive materials administering 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 administering 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, 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	Not applicable
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.

SPILLS, OTHER: US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.



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 80 degrees 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 sunlight.

SHELF LIFE LIMITATIONS: 12 months

INCOMPATIBLE MATERIALS FOR STORAGE: Metals, allyl chloride, sodium, potassium. Will react with water to produce toxic and corrosive fumes.

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:	Deliquescent crystals
COLOR:	Yellow-orange to brown
ODOR:	Slight odor of hydrochloric acid
CHEMICAL FORMULA:	Proprietary
MOLECULAR WEIGHT:	Proprietary
MELTING POINT:	99°F / 37°C
BOILING POINT:	Not applicable
pH:	No information found
VAPOR PRESSURE:	1.1 mmHg @ 381°F / 194°C
SOLUBILITY IN WATER:	91.9 gm/100 cc at 25°C
VOLATILES, % BY VOLUME:	0% at 70°F / 21°C

10). REACTIVITY AND STABILITY

STABILITY: Stable material,

REACTIVITY: Reacts with oxidizers and bases

POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Avoid ignitions sources and prolonged exposure to heat and humidity.



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 chronic effects of inhaling Ferric Chloride.

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 managed in an appropriate and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. 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.

14). TRANSPORT INFORMATION

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

15). REGULATORY INFORMATION

U S FEDERAL REGULATIONS

REPORTABLE QUANTITY: None listed.

TOXIC SUBSTANCES CONTROL ACT: Not listed on TSCA Inventory 12(b) or 8(d).

SARA TITLE III: Ferric Chloride is 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

NFPA RATINGS: Health: **2**, Flammability: **0**, Reactivity: **0**

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, 9 AM to 5 PM, EST, Monday - Friday.

SGE and ICA TriNova, LLC provide the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material. Product should be handled only by a properly trained person. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

SGE and ICA TriNova, LLC MAKE NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, ICA TriNova, LLC WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.