PERFORMA GLOBALYS

CHELATED IRON EDTA 13 % Fe

Section 1 - Product and Company Identification

Product Identification: Performa Globalys chelated iron EDTA 13% Fe
Synonyms: Sodium Feredetate; Ferric Sodium EDTA; EDTA-FeNa·$3H_2O$
Chemical Name: Ethylenediamine tetraacetic acid, monosodium ferric salt, trihydrate
CAS No.: 15708-41-5
Chemical Formula: $C_{10}H_{12}N_2O_8FeNa \cdot 3H_2O$
Date of MSDS: 06/08/2014
Manufacturer's Information
Manufacturer's Name: Groupe Horticole Ledoux inc.
Address: 785 rue Paul-Lussier, Ste-Helene-de-bagot, Quebec (Canada) J0H1M0 www.ghlinc.com
Manufacturer's Country: Canada
General Information Telephone: 450-791-2222 Fax number: 450-791-2225
Emergency Telephone: **CANUTEC: 1-613-996-6666**
Proprietary: N Reviewed: N Special Project Code: N

Section 2 – Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
EDTA-FeNa·$3H_2O$	15708-41-5	99 - 100%	Yes

Section 3 - Hazards Identification, Including Emergency Overview

Emergency Overview

WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. SAF-T-DATA(tm) Ratings (Provided here for your convenience)

Health Rating: 2 - Moderate (Life) Flammability Rating: 0 - None Reactivity Rating: 1 - Slight Contact Rating: 1 - Slight Lab Protective Equip: GOGGLES; LAB COAT; VENT HOOD; PROPER GLOVES Storage Color Code: Green (General Storage)

Potential Health Effects

There is limited information available on the hazards of this chemical. The health effects listed for this substance are based on information found for compounds of similar structure.
Inhalation: Mild irritant. Symptoms may include coughing or sneezing.

Ingestion: Substance has low toxicity by ingestion. Large amounts may cause gastric upset due to osmotic imbalance through the sequestering of metal ions. An overdose of iron may cause vomiting, abdominal pain, bloody diarrhea, vomiting blood, lethargy, and shock. In severe cases, toxicity may progress and develop into an increase in acidity in the blood, bluish skin discoloration, fever, liver damage, and possibly death.
Skin Contact: Mild irritant. Symptoms may include reddening or inflammation on prolonged contact.
Eye Contact: No adverse effects expected but dust may cause mechanical irritation.
Chronic Exposure: Ingestion of greater than 50 to 100 mg of iron per day may result in pathological iron deposition in body tissues. Repeated iron ingestion can produce cardiac toxicity.
Aggravation of Pre-existing Conditions: No adverse health effects expected.

Section 4 - First Aid Measures

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion: Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.
Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse. **Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Section 5 - Fire Fighting Measures

Fire: Not considered to be a fire hazard.
Explosion: Not considered to be an explosion hazard.
Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire.
Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Section 6- Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

Section 7 - Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

Section 8 - Exposure Controls & Personal Protection

Airborne Exposure Limits: None established.
Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.
Personal Respirators (NIOSH Approved): For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator.
WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.
Skin Protection: Wear protective gloves and clean body-covering clothing.
Eye Protection: Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

Section 9 - Physical & Chemical Properties

Appearance: Yellow-brown Powder.
Odor: Odorless. **Solubility:** Moderate (1-10%)
Specific Gravity: 650Kg/m3 **pH:** No information found. **% Volatiles by volume @ 21C (70F):** 0 **Boiling Point:** No information found.
Melting Point: No information found.
Vapor Density (Air=1): Not applicable.
Vapor Pressure (mm Hg): Not applicable.
Evaporation Rate (BuAc=1): No information found.

Section 10- Stability & Reactivity Data

Stability: Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products: Burning may produce carbon monoxide, carbon dioxide, nitrogen oxides.
Hazardous Polymerization: Will not occur.
Incompatibilities: Oxidizing agents.
Conditions to Avoid: Incompatibles.

Section 11 - Toxicological Information

Oral rat LD50: 5 g/kg.
--------\Cancer Lists\--
---NTP Carcinogen---

Ingredient	Known Anticipated	IARC	Category
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Sodium Feredetate (15708-41-5)	No	No	None

Section 12 - Ecological Information

Environmental Fate: No information found.
Environmental Toxicity: No information found.

Section 13 - Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal 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.

Section 14 - Transport Information

Not regulated.