

Material Safety Data Sheet



Section 1 - Product Identification and Use

Product Identifier: **Ironman 3.8% Fe** Product Use: Predissolved micronutrient for plants.

Supplier: Terra Link Horticulture Inc.
464 Riverside Rd S
Abbotsford, B.C., V2S 7N8
Phone: 604-864-9044
Fax: 604-864-8418
www.store.tlhort.com

24 Hr. Emergency Telephone Numbers:

CEDA Emergency Response Team
604-540-4100 Chemical Spills: 1-800-663-3456

Section 2 - Hazardous Ingredients

<u>Hazardous Ingredient</u>	<u>%</u>	<u>CAS#</u>	<u>LD50/ LC50</u>
nitriloacetic acid	0-1	139-13-9	1100 mg/kg (rat)

Section 3 - Physical Data

Physical State: Liquid	Odour and Appearance: Dark red liquid
Odour Threshold: no data	Specific Gravity: 1.27
Vapour density: no data	Vapour Pressure: no data
Evaporation Rate: no data	
Boiling point: > 100 C	Freezing point: < 0 C
pH: 7-8	Coefficient of water/oil distribution: product is more soluble in water than oil

Section 4 - Fire and Explosion Data

Conditions of Flammability: not flammable
Means of extinction: Use extinguishing agents for surrounding fire
Flash Point: Closed cup: not applicable
Upper flammable limit (% in air by volume): not applicable
Lower flammable limit (% in air by volume): not applicable
Autoignition temperature: not applicable
Hazardous combustion products: Carbon monoxide, carbon dioxide
Explosion data- sensitivity to mechanical impact: Not sensitive to mechanical impact
Explosion data- sensitivity to static discharge: Not sensitive to static discharge

Section 5 - Reactivity Data

Chemical Stability: Stable

Incompatible material: Strong acids or bases, strong oxidisers.

Conditions of reactivity: Mixing with incompatible materials.

Decomposition Products: None known

Section 6 - Toxicological Properties

Routes of entry: Eye contact. Inhalation. Ingestion.

Effects of Acute Exposure:

Skin Contact: Possible mild irritation or staining

Eye Contact: Irritation. Inflammation of the eye is characterized by redness, watering and itching

Ingestion: Irritation of tissues

Inhalation: Irritation of tissues

Effects of Chronic Exposure:

Nitrilotriacetic acid is listed as a carcinogen by NTP, under conditions of chronic exposure.

Exposure limits: 10 mg/m³ (8 hour TWA, Total inhalable dust)

Irritancy of product: as described in acute exposure.

Sensitization of product: no data available

Carcinogenicity: listed by NTP

Reproductive toxicity: negative

Teratogenicity: negative

Mutagenicity: negative

Synergistic products: none reported

Section 7 - Preventative Measures

Personal: Wear rubber gloves, eye protection and a dust respirator.

Engineering controls: General ventilation. Keep eye wash nearby.

Leak and Spill Procedures: Wear recommended protective equipment. Dike the spill and pickup absorbents. May be diluted with large amounts of water.

Waste Disposal: Reuse if possible. Dispose in accordance with federal, provincial and local regulations.

Handling Procedures and equipment: Wear recommended protective equipment. Protect eyes, skin

and clothing from contact with this product. Do not breathe vapours or mist. Use with adequate ventilation. Wash thoroughly after handling.

Storage Requirements: Store in a cool, dry, well ventilated area. Do not freeze

Special shipping information:

TDG

not regulated

WHMIS

Class D-2B Toxic

Section 8 - First Aid

Get medical assistance for all but minor exposures.

Skin: Flush with water. Remove contaminated clothing and wash before reuse.

Eyes: Flush eyes with water for 20 minutes. If irritation persists seek medical aid.

Inhalation: Remove victim to fresh air. Restore or support breathing as required. Keep victim warm and at rest. Seek medical aid.

Ingestion: Aspiration hazard. Get medical attention immediately. Do not induce vomiting or give anything by mouth. If victim is drowsy or unconscious, lay victim on side with the head down.

Section 9 - Preparation Date: March 2007 Terralink Horticulture Inc., Regulatory Affairs