

CHELATED IRON

MINERAL SUPPLEMENT FOR IRON DEFICIENCIES

CHELATED IRON is a nourishing mineral supplement that provides an easy absorbed form of iron required to prevent or cure iron chlorosis in turf, ornamental shrubs and trees. **CHELATED IRON** is a very versatile and can be applied or injected into the soil, or sprayed directly onto foliage.



FOR USE BY:

Airports
Apartment Buildings
Buildings Maint.
Grounds Maint.
Bus Lines
Corrections
Hospitals
Hotels/Motels
Medical Buildings
Military
Nursing Homes
Parks and Rec.
Restaurants
Schools

FOR USE ON:

Trees/Shrubs
Turf
Athletic Fields
Golf Courses

FEATURE-BENEFIT:

Reverses or reduces the pale green or yellow discoloration associated with chlorosis.

Provides iron in a form that is immediately available to vegetation.

Remains in the soil for extended feeding.

Is compatible with tank mixes of most fertilizers, insecticides fungicides and penetrating aids.

DIRECTIONS:

TURF AREAS: Dilute 5-10 gallons with sufficient water to cover 1 acre. Small area may be foliar fed with 8 ounces with sufficient water to spray 1,000 sq ft.

TREES AND ORNAMENTAL SHRUBS: For root feeding, use 4 ounces per inch of trunk diameter. Dilute with 5-10 gallons of water and pour or inject the solution around the root zone and drip line.

TECHNICAL DATA:

Appearance: Brown Liquid
Fragrance: Pungent
Specific gravity: 1.178
pH: 2.2-3.2
Pounds of Iron per gallon: 0.33lb/Gall

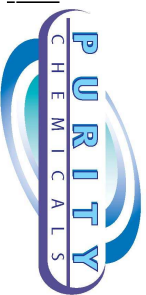
CHELATED IRON MINERAL SUPPLEMENT FOR IRON DEFICIENCIES

CONTACT INFORMATION

OFFICE:
1-888-6PURITY (678-7489)
FAX
1-877-9PURITY (978-7489)
ADDRESS:
114 SOUTHFIELD PKWY
SUITE 120
FOREST PARK GA. 30297
www.puritychemicals.com

MATERIAL SAFETY DATA SHEET

Purity Chemicals, Inc
114 Southfield Pkwy, Ste 120
Forest Park, GA 30297



GENERAL INFORMATION NUMBER: (414) 354-6417
CHEMTRAC: (800) 424-9300

REVISION DATE: September 18, 2003
DATE OF ISSUE: September 18, 2003

I - Product Identification

Chelated Iron

PRODUCT CODE: 0133
CHEMICAL FORMULATION: Water based soil supplement.
NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 0 FLAMMABILITY: 0 REACTIVITY: 0
HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - Hazardous Ingredients

Values reported as TW A unless noted.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR 302	355	372	CAS #

Contains no hazardous components as defined in 29 CFR 1910.1200

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4)
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355)
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372)

III - Physical Data

BOILING POINT (°F): N/D SPECIFIC GRAVITY (WATER = 1): 1.178
VAPOR PRESSURE (mm Hg): N/D VOC CONTENT (% by weight): N/A
VAPOR DENSITY (AIR = 1): N/D EVAPORATION RATE (WATER = 1): N/D
SOLUBILITY IN WATER: Soluble pH: 2.20-3.20
APPEARANCE AND ODOR: Muddy, dark brown liquid; pungent odor.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): None (TEST METHOD): Closed cup
FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: N/A LOWER: N/A
EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should be equipped with full protective gear including self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARD: None

PRODUCT NAME: Chelated Iron

PRODUCT CODE: 0133

V - Reactivity Data

STABILITY: Stable
INCOMPATIBILITY: Strong oxidizing agents.
CONDITIONS TO AVOID: None
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon.
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: None

VI - Health Hazard Data

ROUTES OF ENTRY: INHALATION; EYE CONTACT: X SKIN CONTACT: X INGESTION: X
INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None.
EFFECTS OF OVEREXPOSURE
IF IN EYES: Mild irritation.
IF ON SKIN: Mild irritation with prolonged or repeated use.
IF SWALLOWED: Nausea, diarrhea.
IF INHALED: None known under normal use.
EMERGENCY AND FIRST AID PROCEDURES
IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. Obtain medical attention if irritation persists.
IF ON SKIN: Flush with soap and water. Launder clothing separately before reuse. Obtain medical attention, if irritation persists.
IF SWALLOWED: Contact a physician or poison control center. Rinse mouth with water. Give affected person 1 to 2 glasses of water. Never give anything by mouth to an unconscious person.
IF INHALED: Remove person to fresh air.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Soak up material with inert absorbent material or flush away with water.
WASTE DISPOSAL METHOD: Consult local environmental authorities.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. LOCAL: Not required MECHANICAL: Not required
VENTILATION
PROTECTIVE GLOVES: Chemical resistant.
EYE PROTECTION: Safety glasses or chemical goggles.
OTHER PROTECTIVE EQUIPMENT: None.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool dry place. Keep container tightly closed when not in use.
OTHER PRECAUTIONS: Keep out of reach of children.

IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: None DOT ID NUMBER: None DOT PACKING GROUP: None
DOT CLASS: None
The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.
REVISION DATE: September 18, 2003 Prepared by: PMR DATE OF ISSUE: September 18, 2003

This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Total Solutions assumes no responsibility for personal injury or property damage to the vehicle users or third parties caused by the material, such as vehicles or users assume all risks associated with the use of this material.