

Safety Data Sheet

Section 1: Identification

Product identifier

- Product Name** • **Ironite Plus 6-2-1 Ready-To-Spray**
- Synonyms** • 100099057; 100099342; UPC #: 0-21496-01508-8
- Product Description** • Clear amber liquid.

Relevant identified uses of the substance or mixture and uses advised against

- Recommended use** • Plant and lawn liquid fertilizer
- Restrictions on use** • Keep out of reach of children.

Details of the supplier of the safety data sheet

- Manufacturer** • Gro Tec, Inc.
P.O. Box 290
Madison , GA 30650
United States
- www.penningtonfertilizer.com

Emergency telephone number

- Manufacturer** • 1-703-527-3887 - CHEMTREC - Outside US collect calls accepted
- Manufacturer** • 1-800-424-9300 - CHEMTREC - For transportation related emergencies
- Manufacturer** • 1-800-265-0761

Section 2: Hazard Identification

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

- OSHA HCS 2012** • Not classified; does not meet hazard criteria.

Label elements

- OSHA HCS 2012**
Hazard statements • No label element(s) required

Other hazards

- OSHA HCS 2012** • Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is not considered hazardous.

Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance.

Mixtures

| Composition | | |
|---------------------------|-------------|------|
| Chemical Name | Identifiers | % |
| Non hazardous ingredients | NDA | 100% |

Section 4: First-Aid Measures

Description of first aid measures

Inhalation

- IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms persist.

Skin

- IF ON SKIN: Wash with plenty of soap and water.

Eye

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center.

Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

- Treat symptomatically and supportively.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media • Use water spray, alcohol-resistant foam, carbon dioxide, or dry chemical.

Unsuitable Extinguishing Media

- No data available.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

- No data available.

Hazardous Combustion Products

- Ammonia, nitrogen oxides, carbon oxides, and metal oxides may be generated if heated to decomposition.

Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

- Personal Precautions** • Avoid contact with skin, eyes, and clothing.
- Emergency Procedures** • Ventilate closed spaces before entering. Avoid contact with eyes and skin, and inhalation of vapors. Wear appropriate personal protective equipment (PPE).

Environmental precautions

- Avoid release to the environment.

Methods and material for containment and cleaning up

- Containment/Clean-up Measures** • Absorb spills with an inert material, clay granules or other inert absorbent material and put in container for disposal.
Use appropriate Personal Protective Equipment (PPE)

Section 7 - Handling and Storage

Precautions for safe handling

- Handling** • Avoid contact with skin or eyes. Wash thoroughly with soap and water after handling. Do not use in areas without adequate ventilation.

Conditions for safe storage, including any incompatibilities

- Storage** • Store in cool, dry, secure place. Store in tightly closed container, isolated from oxidizers, strong acids and bases. Avoid prolonged contact with non-ferrous metals to prevent corrosion. Keep out of reach of children. Keep container closed when not in use.
- Incompatible Materials or Ignition Sources** • Strong acids, strong bases, and oxidizing agents.

Section 8 - Exposure Controls/Personal Protection

Control parameters

- Exposure Limits/Guidelines** • No data available.

Exposure controls

- Engineering Measures/Controls** • Use adequate ventilation to remove vapors (fumes, dust etc)

Personal Protective Equipment

Pictograms



Respiratory

- Not required with normal use. In case of insufficient ventilation, use NIOSH approved respiratory protection.

Eye/Face

- Wear chemical splash safety goggles.

Hands

- Wear protective gloves.

Skin/Body

- Long sleeve shirt, long pants, shoes, and socks should be worn.

General Industrial Hygiene Considerations

- No data available.

Environmental Exposure Controls

- No data available

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

| Material Description | | | |
|-------------------------------------|-----------------------|----------------------------------|---------------------|
| Physical Form | Liquid | Appearance/Description | Clear amber liquid. |
| Color | Clear amber. | Odor | Minimal/fertilizer |
| Odor Threshold | No data available | Physical and Chemical Properties | No data available |
| General Properties | | | |
| Boiling Point | > 212 F(> 100 C) | Melting Point/Freezing Point | < 32 F(< 0 C) |
| Decomposition Temperature | No data available | pH | < 7 |
| Specific Gravity/Relative Density | 1.14 to 1.175 Water=1 | Bulk Density | 9.5 to 9.8 lbs/gal |
| Water Solubility | Soluble | Viscosity | Non-viscous |
| Volatility | | | |
| Vapor Pressure | No data available | Vapor Density | No data available |
| Evaporation Rate | No data available | | |
| Flammability | | | |
| Flash Point | No data available | UEL | No data available |
| LEL | No data available | Autoignition | No data available |
| Flammability (solid, gas) | No data available | | |
| Environmental | | | |
| Octanol/Water Partition coefficient | No data available | | |

Section 10: Stability and Reactivity

Reactivity

- Non-reactive under normal handling and storage conditions.

Chemical stability

- Stable under normal temperatures and pressures.

Possibility of hazardous reactions

- Hazardous polymerization will not occur.

Conditions to avoid

- Excessive heat.

Incompatible materials

- Strong acids, strong bases and oxidizing agents.

Hazardous decomposition products

- Ammonia, nitrogen oxides, carbon oxides, and metal oxides may be generated if heated to decomposition.

Section 11 - Toxicological Information

Information on toxicological effects

| GHS Properties | Classification |
|--------------------------------------|--|
| Respiratory sensitization | OSHA HCS 2012 • Classification criteria not met |
| Serious eye damage/Irritation | OSHA HCS 2012 • Classification criteria not met |
| Acute toxicity | OSHA HCS 2012 • Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Classification criteria not met; Acute Toxicity - Oral - |

| | |
|----------------------------------|---|
| | Classification criteria not met |
| Aspiration Hazard | OSHA HCS 2012 • Classification criteria not met |
| Carcinogenicity | OSHA HCS 2012 • Classification criteria not met |
| Germ Cell Mutagenicity | OSHA HCS 2012 • Classification criteria not met |
| Skin corrosion/Irritation | OSHA HCS 2012 • Classification criteria not met |
| Skin sensitization | OSHA HCS 2012 • Classification criteria not met |
| STOT-RE | OSHA HCS 2012 • Classification criteria not met |
| STOT-SE | OSHA HCS 2012 • Classification criteria not met |
| Toxicity for Reproduction | OSHA HCS 2012 • Classification criteria not met |

**Medical Conditions
Aggravated by Exposure
Potential Health Effects**

- No data available.

Inhalation

Acute (Immediate)

- Vapors and mists may cause respiratory tract irritation.

Chronic (Delayed)

- No data available

Skin

Acute (Immediate)

- May cause mild irritation.

Chronic (Delayed)

- No data available

Eye

Acute (Immediate)

- May cause mild irritation.

Chronic (Delayed)

- No data available

Ingestion

Acute (Immediate)

- May cause irritation or discomfort if swallowed.

Chronic (Delayed)

- No data available

Mutagenic Effects

- No data available.

Carcinogenic Effects

- No component of this product present at 0.1% or greater is listed by IARC, OSHA or NTP.

Reproductive Effects

- Not classified.

Section 12 - Ecological Information

Toxicity

- No data available

Persistence and degradability

- Expected to be readily biodegradable.

Bioaccumulative potential

- No data available.

Mobility in Soil

- Product is water-soluble and will readily move in soil.

Results of PBT and vPvB assessment

- PBT and vPvB assessment has not been carried out.

Other adverse effects

- No studies have been found.
- None expected. However, an environmental hazard cannot be excluded in the event of improper handling or disposal.

Potential Environmental Effects**Section 13 - Disposal Considerations****Waste treatment methods****Product waste**

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. Small quantities may be land applied as fertilizer. Consult state and local hazardous waste regulations before disposing of this product. May be harmful to aquatic life. Do not allow this product to drain into sewers or waterways. Contact a licensed disposal company for removing contaminated material.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

| | UN number | UN proper shipping name | Transport hazard class (es) | Packing group | Environmental hazards |
|-----------|----------------|-------------------------|-----------------------------|----------------|-----------------------|
| DOT | Not Applicable | Not regulated | Not Applicable | Not Applicable | Not Applicable |
| IMO/IMDG | Not Applicable | Not regulated | Not Applicable | Not Applicable | Not Applicable |
| IATA/ICAO | Not Applicable | Not regulated | Not Applicable | Not Applicable | Not Applicable |

Special precautions for user

- None specified.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- No data available

Other information

IMO/IMDG • No data available

IATA/ICAO • No data available

Section 15 - Regulatory Information**Safety, health and environmental regulations/legislation specific for the substance or mixture**

SARA Hazard Classifications • None

Section 16 - Other Information**Revision Date**

- 02/December/2015

Last Revision Date

- 02/December/2015

Preparation Date

- 02/December/2015

Disclaimer/Statement of Liability

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