

# MATERIAL SAFETY DATA SHEET

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Gro Tec, Inc.  
P.O. Box 290  
Madison, GA 30650

DATE PREPARED: 09/18/06  
PRODUCT: Ironite 1-0-1  
Emergency Contact: 1-800-265-0761

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## SECTION I – PRODUCT INFORMATION

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COMMON CHEMICAL NAME: (Fertilizer) 1-0-1

Urea

CAS# 57-13-6

Muriate of Potash

CAS# 7447-40-7

Calcium Sulfate

Contains secondary micronutrient plant food such as: boron, iron, manganese, molybdate, zinc

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## SECTION II – TLV

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N/A

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## SECTION III – PHYSICAL PROPERTIES

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COLOR: A blend of reddish, brown, gray and white granules with a slight ammonia odor.

FORM/APPEARANCE: Crystalline Solids and granules

SPECIFIC GRAVITY: Bulk Density= 55 – 65 lbs./cu.ft.

SOLUBILITY IN WATER: 95% in water

DECOMPOSITION TEMP.: Ambient (Average Warehouse) Temperatures

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## SECTION IV – FIRE AND EXPLOSION DATA

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FLASHPOINT: > 500 degrees F

FIREFIGHTING PROCEDURE: Water or foam

UNUSUAL HAZARDS: Keep away from heat and open flame. Remove containers from fire area. Paper bags may burn; plastic melt.

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## SECTION V – HEALTH EFFECTS

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Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

Routes of entry for gases include inhalation and eye contact

Skin may be a route of entry for liquefied gases.

ACUTE OVEREXPOSURE EFFECTS:

May cause irritation of the skin, eyes, and respiratory system.  
If ingested, may cause gastric upset, ulceration or hemorrhage of the G.I. tract and diarrhea

CHRONIC OVEREXPOSURE EFFECTS:

There are no known chronic effects associated with this material.

FIRST AID PROCEDURES:

SKIN: Wash with water, remove and launder clothing before reuse.  
If irritation occurs, seek medical advice.  
EYES: Rinse with water for 15 minutes. If irritation occurs, seek medical advice.  
INGESTION: Dilute with water, induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Seek medical attention.  
INHALATION: Move to fresh air. Aid in breathing, if necessary, and seek medical advice.

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SECTION VI – REACTIVITY DATA

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STABILITY: Stable

INCOMPATIBILITY: N/A

CONDITIONS TO AVOID: Keep product dry since moisture will harden product and render it unstable.

DECOMPOSITION PRODUCTS: Ammonia, Buires, Carbon Dioxide, Carbon Monoxide

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SECTION VII– PERSONAL PROTECTION

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CLOTHING: Gloves, coveralls, apron, and boots as necessary to prevent contact.

EYES: Safety glasses or goggles.

RESPIRATION: NIOSH/MSHA approved dust mask as necessary.

VENTILATION: Use local exhaust to control as needed.

OTHER PERSONAL PROTECTION DATA: Eyewash fountains and showers accessible.

Shoes plus socks.

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SECTION VIII – SPILL/LEAK; ENVIRONMENTAL

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GENERAL: Contain and reclaim if possible.

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SECTION IX – STORAGE AND HANDLING

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Store product in its original labeled container in a cool, dry place locked place out of each of children.

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SECTION X – REGULATORY INFORMATION

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SARA TITLE III: This product contains no material listed under SARA 313.

IARC, NTP, OSHA CARCINOGEN: No ingredient in this material is listed as a carcinogen.

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NOTICE FROM GRO TEC, INC.

The information contained herein is offered only as a guide to the handling of this specific material. Since such information does not relate to use of the material with any other material or in any process, any person using this information must determine for himself its suitability for any particular application. The buyer and user assume all risk and liability of use, storage and/or handling of this product not in accordance with the terms of the product label.