

MATERIAL SAFETY DATA SHEET
X-Xtra Iron 10% (6-0-0)

Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company : Growth Products, Ltd.
P.O. Box 1252
White Plains, NY 10602
Phone Number: 800-648-7626
Chemical Name / Common Name: Liquid Micronutrient Solution

Section 2 – HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS: None. This product does not require labeling.

Section 3 – PHYSICAL DATA

| | | | |
|----------------------|----------------------|---------------------|--------------------------|
| Physical State: | Clear/Hazy | Evaporation Rate: | Same as Water |
| Color: | Brown/Green | Boiling Point: | About 210 Degrees F |
| Odor: | Musty Iron Odor | Freezing Point: | |
| Weight Per Gallon: | 11.2# @ 21 Degrees C | Viscosity: | 1 –15 cps @ 21 Degrees C |
| Storage Life at 70F: | >1 year | Flash Point/Method: | Noncombustible |
| pH – 21C: | 4.0 – 4.5 | Vapor Pressure: | Same as Water |
| Solubility: | Completely Miscible | | |

Section 4 – FIRE AND EXPLOSION HAZARD

| | |
|-------------------------------------|-------------------|
| Explosion Properties: | Noncombustible |
| Flammable Limit: | LEL: N/A UEL: N/A |
| Extinguishing Media: | Does Not Burn |
| Special Fire Fighting Procedures: | None |
| Unusual Fire and Explosion Hazards: | None |

Section 5 – HEALTH HAZARD INFORMATION

EFFECTS OF OVEREXPOSURE ACUTE (SHORT TERM EXPOSURE):

Liquid contact may cause slight eye irritation and repeated skin exposure may cause some skin irritation

CHRONIC (LONG TERM EXPOSURE):

None known

Section 6 – EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Not expected to be harmful under normal conditions of use, however if allowed to become airborne, may cause irritation of nose, throat and lungs

EYE CONTACT: May cause irritation on prolonged or repeated contact

SKIN CONTACT: May cause irritation on prolonged or repeated contact

Section 7: TOXICITY INFORMATION

ACUTE TOXICITY (LETHAL DOSES)

DERMAL LD₅₀: 0.5 ml dose level for rabbits

ORAL LD₅₀: 5000 mg/kg dosage level for rats

ACUTE TOXICITY (IRRITATION, SENSITIZATION)

EFFECTS TO EYES: No corneal or iridal effects were noted at a dose of 0.1 ml for rabbits

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EFFECTS TO INGESTION: Non toxic or pathogenic
EFFECTS TO SKIN: Moderate irritation, reversible within 7 days
CARCINOGENICITY DATE: N/E

Section 8: REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: N/A
HAZARDOUS DECOMPOSITION PRODUCTS OF DRY MATERIAL: CO, CO₂, NH₃, Aldehydes (including Formaldehyde), particulate matter and other organic compound.
HAZARDOUS POLMERIZATION: Will not occur

Section 9: SPECIAL PROTECTION INFORMATION

PROTECTIVE GLOVES: Gloves
EYE PROTECTION: Use goggles if contact is likely.
OTHER PROTECTION: N/A
RESPIRATORY PROTECTION OR REQUIRED VENTILATION:
Not normally needed. Where air contaminants can exceed acceptable criteria use NIOSH/MSHA approved respiratory protection equipment.

Section 10 – SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Prevent product from entering drinking water supplies. Collect liquid or solidify with absorbent material and package for disposal according to local, state, and federal regulations.

WASTE DISPOSAL PRECEDURES:
This product is likely to have a pH less than 8.5 and would not be considered a federal hazardous waste according to EPA regulation 40CFR 261. Dispose in accordance with state and local regulation.

REPORTABLE QUANTITY UNDER CERCLA: N/A

Section 11 – STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE:
MAX 100° F MIN 32° F INDOOR ✓ OUTDOOR ✗ REFRIG. ✗

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
Not harmed by freezing. Thaw frozen fertilizer slowly and stir before using. Store in a cool place. Rotate stock in storage to use oldest first.

Section 12 – TRANSPORTATION INFORMATION

DOT UN STATUS: This material is not regulated hazardous material for transportation

OTHER PRECAUTIONS:
Read entire label before using

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ABBREVIATIONS: N/E – NOT ESTABLISHED N/A – NOT APPLICABLE