NOTICE OF LANDSCAPE TREATMENT APPLICATION

Date of Application: October 17, 2022

Location: Parkway trees

Reason for Application: Fertilization gives trees important nutrients, supports tree growth, and contributes to the overall health and vitality of a tree.

Product Manufacturer Name: GOLD'n GRO 15-1-8 +4% S
-Active ingredients: N/A
-Precautionary statement: Product may irritate eyes and skin.

***See attached label and SDS sheet**

***Dates are subject to change due to weather**

GOLD'n GRO®
Multi-Nutrient Liquid Fertilizers

GUARANTEED ANALYSIS

Total Nitrogen (N)……15.00%
1.8% Ammoniacal Nitrogen
1.8% Nitrate Nitrogen
11.4% Urea Nitrogen
Available Phosphoric Acid (P_2O_5)……1.0%
Soluble Potash (K_2O)……8.0%
Sulfur (S)……4.0%
Iron (Fe)……0.25%
0.25% Chelated Iron
Manganese (Mn)……0.10%
0.10% Chelated Manganese
Zinc (Zn)……0.10%
0.10% Chelated Zinc

Nutrients derived from ammonium polyphosphate, ammonium thiosulfate, aqueous ammonia, citric acid, ethylenediamine-tetraacetate (EDTA) acid, ferrous sulfate, iron EDTA, lo-biuret urea, manganese sulfate, potassium nitrate, potassium phosphate, potassium thiosulfate, and zinc oxide.

Net weight: 10.65 pounds per gallon (1.28 kg/liter)

NET CONTENTS_____GALLONS(_____)LITER

MANUFACTURED BY

Itronics Metallurgical, Inc.
P.O. Box 60089
Reno, NV 89506
(775) 677-6044

An Itronics Inc. Company

L02.03.05.23

GOLD'n GRO 15-1-8 + 4%S

15-1-8 Liquid with 4% Sulfur and Chelated Iron, Chelated Manganese, Chelated Zinc

Directions for Use

This product is a chloride-free, lo-biuret fertilizer. GOLD'n GRO 15-1-8 + 4%S can be used on turf, ornamentals, wine, table and raisin grapes, field crops, fruit and nut trees, citrus, and avocados. The total amount required per acre for a particular crop may be determined by standard grower practice for that crop. Maximum quantity applied per acre per year should not exceed 60 gallons (639 pounds) in the State of Washington.

Spray applications for turf should be done using a mix ratio no more concentrated than 2 quarts in 10 gallons of water. All other spray applications should be done using a mix no more concentrated than 1 quart in 10 gallons of water.

GOLD'n GRO 15-1-8 + 4%S as a soil application using micro-sprinklers or drip irrigation has been found effective when integrated into existing nutrition programs using either straight nitrogen products or other fertilizer blends. For best results, two applications of GOLD'n GRO 15-1-8 + 4%S are recommended before alternate nutrient sources are applied.

GOLD'n GRO 15-1-8 + 4%S is compatible with most fungicides, herbicides and insecticides. When in doubt, do a jar test or contact your supplier. When applied through drip or micro-sprinkler irrigation systems, a jar test for water compatibility is recommended.

Suggested Use Rates

Crop	Application Rate	Number & Timing of Applications
Commercial and residential lawns, Golf course tees and greens, Golf course fairways	10 to 30 fluid oz./1000ft2 3 to 10 gal./acre	Rate is based on monthly applications of 10 gal./acre/month during periods of rapid growth. Rates will vary with season and frequency of application. When fertigation is the method of application a more even distribution of nutrient is achieved by injecting 1/3 of the recommended amount for 3 consecutive days.
Citrus, Avocados (Foliar)	4 to 20 qt./acre	Apply first application in mid-February; re-apply as necessary. Apply at rate of 1 gal. GOLD'n GRO 15-1-8 + 4%S in 20 gal. of water. Application schedule will be dependent upon variety and cultural practices of the region.
Palm Trees (Deep root feeding)	1 to 2 gal. per 100 gal. water	1 qt. of mix per hole. Application schedule will be dependent upon variety and cultural practices of the region.
Citrus, Avocados (Micro-sprinkler/Drip irrigation)	10 to 20 gal./acre	Apply first application in mid-February; re-apply as necessary. Application schedule will be dependant upon variety and cultural practices of the region.
Cereal grains (Foliar)	1 to 16 qt./acre	Application schedule will be dependant on crop, variety, and cultural practices of the region.
Field crop & vegetables general use (Fertigation/Soil application)	8 to 12 gal./acre	Application schedule will be dependant on crop, variety, and cultural practices of the region.
Field crop & vegetables general use (Foliar)	1 to 8 qt./acre	Application schedule will be dependant on crop, variety, and cultural practices of the region.
Fruit & nut trees (Foliar)	1 to 8 gal./acre	Apply first application late winter and re-apply as necessary to fruit softening or husk split. Application schedule will be dependant on crop, variety and cultural practices of the region.
Grapes (Foliar)	1 to 8 qt./acre	Apply first application after leaves are out; re-apply as necessary. Use lower rates early. Increase rates as foliage increases.
Grapes (Micro-sprinkler/Drip irrigation)	5 to 10 gal./acre	Apply first application at or just before bud break, re-apply as necessary until veraison. A final application is recommended after harvest.
Ornamentals (Fertigation/Soil application)	2 to 5 gal./acre	1 to 3 applications per season.
Ornamentals (Foliar)	1 to 4 qt./acre	Apply periodically as needed.

Material of Construction
The concentrated product is corrosive for iron, copper, zinc, brass, bronze and aluminum. Tanks for storage of concentrated product can be polypropylene, 304 or 316 stainless steel, or cross-linked polyethylene. Fiberglass, iron, and aluminum tanks should be avoided. It is okay to use fiberglass and 304 stainless spray tanks for ground spray rigs and aluminum for aerial applications. Do not store fertilizer mix in spray tanks. Flush lines after using.

CONDITIONS OF SALE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use, storage or handling of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use. These risks include, but are not limited to, damage to plants, crops, and animals to which the material is applied, failure to control pests, damage caused by drift to other plants or crops, and personal injury.

CAUTION: KEEP OUT REACH OF CHILDREN. Not for internal consumption. Avoid contact. A slight sulfur odor may occur for a few hours after spray application.

NOTE: Buyer assumes all responsibility for safety and use not in accordance with directions.

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Information regarding the contents and levels of metals in this product is at www.aapfco.org/metals.htm

SAFETY DATA SHEET — GOLD'N GRO® 15-1-8 + 4% S

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC® – TOLL FREE 1-800-424-9300

1. PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED BY:

ITRONICS METALLURGICAL, INC.
P.O. Box 60089 • Reno, NV 89506

24-Hour Emergency Phone: 1-800-424-9300
Medical Emergencies: 911
Product Emergency Phone: 1-775-667-6044

PRODUCT NAME: GOLD'N GRO 15-1-8 + 4% S
CHEMICAL NAME: NONE
CHEMICAL FAMILY: LIQUID PLANT NUTRITIONAL
MSDS Number: M011617.18 **MSDS Revisions:** New **Date of Issue:** 01/16/17 **Supersedes:** New

2. HAZARDS IDENTIFICATION

KEEP OUT OF REACH OF CHILDREN – **CAUTION: Irritant:** Product may irritate eyes and skin. Primary routes of exposure are dermal, inhalation, ingestion.

This product is dark brown liquid with shoe polish odor.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name and Synonyms:	Percent Hazardous by Weight:	CAS No.	TLV (Units)
Zinc Oxide	0.10	1314-13-2	2 mg/m^3
	Non Hazardous		
This product is a blend of the following non-hazardous ingredients:	99.90		
Water		7732-18-5	not listed
Lo-biuret Urea		57-13-6	not listed
Aqueous Ammonia		1336-21-6	not listed
Ammonium Polyphosphate		68333-79-9	not listed
Ammonium Thiosulfate		7783-18-8	not listed
Potassium Phosphate		7778-53-2	not listed
Potassium Nitrate		7757-79-1	not listed
Potassium Thiosulfate		10294-66-3	not listed
Ferrous Sulfate		7720-78-7	not listed
Iron EDTA		15708-41-5	not listed
Manganese Sulfate		10034-96-5	not listed
Citric Acid		77-92-9	not listed
EDTA Acid		60-00-4	not listed

4. FIRST AID MEASURES

If in eyes: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565.

NOTES TO PHYSICIAN: Treatment based on the sound judgment of the physician and the individual reactions of the patient.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use carbon dioxide (CO_2) or foam. Water can be used to cool fire exposed containers.

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus and full protective gear should be worn in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Containers may burst if exposed to extreme heat.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Dike and contain. If uncontaminated, reuse product. If contaminated, absorb spill with clay, sand, or sawdust. Place in a chemical waster container for proper disposal.

CAUTION: Spill area will be quite slippery.

7. HANDLING AND STORAGE

HANDLING: Be sure proper ventilation, respiratory, and eye protection are used. Avoid eye contact. Do not breathe mist.
STORAGE: Keep container closed. Store in a cool, dry place. Store at temperatures between 41°F and 104°F (5°C and 40°C), in well-ventilated areas and away from heat or flame. Avoid moisture contamination. Use reasonable care and store away from oxidizing materials. Keep away from heat, sparks, and flame. Keep away from children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

APPROPRIATE ENGINEERING CONTROLS: Local and general ventilation is recommended. Keep away from sparks and flame.
INDIVIDUAL PROTECTION MEASURES
RESPIRATORY PROTECTION: Use respiratory protection unless adequate local exhaust ventilation is provided or air sampling data show exposures are within recommended exposure guidelines.
EYE / FACE PROTECTION: Chemical goggles or shielded safety glasses.
SKIN PROTECTION: Wear protective clothing: long-sleeved shirts and pants, shoes with socks. Wear chemical-resistant gloves.

	OSHA PEL 8 hr TWA	ACGIH TLV-TWA
Zinc Oxide	5 mg/m^3	2 mg/m^3

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Dark brown liquid with shoe polish odor
SOLUBILITY: Soluble
SPECIFIC GRAVITY (Water = 1): 1.276 g/ml
BULK DENSITY: 10.65 lbs/gal. / 1.28 Kg/L
pH: 7.8 – 8.2
VAPOR PRESSURE: Not known
BOILING POINT: >200°F / >93°C
MELTING POINT: No Data
FLASHPOINT: Not flammable
VISCOSITY: Not known
VAPOR DENSITY (Air = 1): Not known
EVAPORATION RATE: (Butyl Acetate = 1): Not known
PERCENT VOLATILE (by volume): Not known
RELATIVE DENSITY: Not known
FLAMMABLE LIMITS (LFL & UFL): Lower Flammability Limit: 16%; Upper Flammability Limit: 25%
AUTO-IGNITION TEMPERATURE: Not known
DECOMPOSITION TEMERATURE: Not known
Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

REACTIVITY: None known.
CHEMICAL STABILITY: Stable
POSSIBILITY OF HAZARDOUS REACTIONS: None known. Will not polymerize.
CONDITIONS TO AVOID: Avoid excessive heat under confinement.
INCOMPATIBILE MATERIALS: Corrosive to iron, aluminum, and copper-bearing alloys.
HAZARDOUS DECOMPOSITION PRODUCTS: May release toxic fumes of ammonia, oxides of carbon, oxides of nitrogen, hydrogen chloride, ammonium chloride, and chlorine in a high temperature or fire situation.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Eye contact, skin, ingestion, and/or inhalation.
LC_{50} (rat): Not determined or available
Oral LD_{50} (rat): Not known for product
Dermal LD_{50} (rabbit): Not known
Oral LD_{50} (rat): Lo-biuret Urea: 5,300 mg/kg; Ammonium Polyphosphate: 50 – 5,625 mg/kg; Ammonium Thiosulfate: 2,850 mg/kg; Potassium Nitrate: 3,750 mg/kg; Potassium Thiosulfate: >5,000 mg/kg; Manganese Sulfate: 2,150 mg/kg; Zinc Oxide: 630 mg/kg; Citric Acid: 6,730 mg/kg; Iron EDTA: 5 g/kg
Acute Toxicity Estimates: Not available
Aspiration: Not determined
Serious Eye Damage / Irritation (rabbit): Not determined
Skin Corrosion / Irritation (rabbit): Not determined
Respiratory or Skin sensitization (guinea pig): Not a skin sensitizer
Specific Target Organ Toxicity: None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity: None listed or known.
Persistence and Degradability: Not known.
Bioaccumulative Potential: Not known.
Mobility in Soil: Not known.

13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS: This material must be disposed of according to local, state, provincial and federal requirements and procedures.

14. TRANSPORT INFORMATION

UN No.: NOT APPLICABLE
UN PROPER SHIPPING NAME: NOT APPLICABLE
TRANSPORT HAZARD CLASS: NOT APPLICABLE
PACKING GROUP: NOT APPLICABLE
ENVIRONMENTAL HAZARDS: NOT DETERMINED
TRANSPORT IN BULK (ACCORDING TO ANNEX II OF MARPOL 73/78): – IBC CODE: NOT APPLICABLE
Special Precautions (for User): NOT APPLICABLE

U.S. Surface Freight Classification: FERTILIZING COMPOUNDS (MANUFACTURED FERTILIZERS), NOI; LIQUID (NMFC 68140, SUB 6; CLASS 70)

15. REGULATORY INFORMATION

CAUTION 

NFPA & HMIS Hazard Ratings:

NFPA		HMIS
1 Health	0 Least	1 Health
0 Flammability	1 Slight	0 Flammability
1 Instability	2 Moderate	1 Reactivity
	3 High	B PPE
	4 Severe	

SARA Hazard Notification/Reporting
SARA Title III Hazard Category:

Immediate	Y	Fire	N	Sudden Release of Pressure	N
Delayed	N	Reactive	N		

Reportable Quantity (RQ) under U.S. CERCLA: Zinc (CAS: 7440-66-6) 1,000 lbs.; Ammonia (CAS: 7664-41-7) 1,000 lbs.; Ferrous Sulfate (CAS: 7720-78-7) 1,000 lbs.
SARA, Title III, Section 313: Zinc (CAS: 7440-66-6); Ammonia (CAS: 7664-41-7)
RCRA Waste Code: Not listed
CA Proposition 65: WARNING: This product contains chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

16. OTHER INFORMATION

MSDS STATUS: New – GHS Version

PREPARED BY: Itronics Metallurgical Inc.