

Richlawn Turf Food, LLC.

MATERIAL SAFETY DATA SHEET

SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: Richlawn "Gro-Rich" Rose & Perennial Fertilizer, 12-10-4 **MSDS NUMBER:** 1030
GENERIC NAME: Organic Based Fertilizer **DATE ISSUED:** May 7, 2002
MANUFACTURER: Richlawn Turf Food, LLC. **EMERGENCY PHONE:** 800-864-4392
ADDRESS: 15121 Weld County Road #32 **MANUFACTURER PHONE:** 303-659-6003
Platteville, CO 80651 **MANUFACTURER FAX:** 303-659-2463

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	%	TLV	PEL
DPW (Dried Poultry Waste)	N/A	Variable	10 mg/m ³ _(PNOC)	15 mg/m ³ _(PNOR)
Ammoniated Phosphate	7783-28-0	>15	N/A	N/A
Urea	57-13-6	>10	N/A	N/A
Sulfate of Potash Magnesia	14977-37-8	~10	N/A	N/A
Ammonium Sulfate	7783-20-2	~10	N/A	N/A
Muriate of Potash	584-08-7	Variable	N/A	N/A
Ferrous Sulfate	7720-78-7	Variable	N/A	N/A
Chelated Iron (Iron)	7439-89-6	Variable	N/A	N/A
Blood Meal	N/A	Variable	N/A	N/A
Alfalfa Meal	N/A	Variable	N/A	N/A

Key: TLV = ACGIH, 8 hr. time weighted average (TWA); PEL = OSHA permissible exposure limit.

PNOC = Particulates Not Otherwise Classified (ACGIH - Inhalable)

PNOR = Particulates Not Otherwise Regulated (OSHA - Total dust)

SECTION III - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Can burn in a fire, but not normally an emergency problem. Not a fire hazard in open areas. Product is of low toxicity to health or environment.

HMIS RATING: Health: 0 Fire: 0 Reactivity: 0 Personal Protection: B

POTENTIAL HEALTH EFFECTS:

ROUTES OF ENTRY: Inhalation, skin contact, eye contact, ingestion

INHALATION: Dust may be irritating to mucous membranes and respiratory tract. Excessive exposures to dust may cause sore throat, coughing, difficult breathing and severe lung congestion.

SECTION III - HAZARDS IDENTIFICATION

SKIN CONTACT: May cause irritation with reddening to very sensitive skin.

EYE CONTACT: May cause redness and irritation to the eye.

INGESTION: May cause gastric irritation, nausea, and abdominal spasms.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: May aggravate pre-existing respiratory conditions (dust).

CARCINOGENICITY: Not listed by NTP or IARC. Not regulated as a carcinogen by OSHA.

SECTION IV - FIRST AID MEASURES

INHALATION: Move to fresh air which is free from risk of further exposure. Treat symptomatically if required.

EYE CONTACT: Flush with clean, lukewarm water at low pressure. Seek medical attention if irritation persists.

SKIN CONTACT: Wash affected areas with soap and warm water. Seek medical attention if irritation persists.

INGESTION: Encourage the drinking of large quantities of milk or water. Induce vomiting. Get medical attention if irritation persists.

SECTION V - FIREFIGHTING MEASURES

NFPA RATING: Health: 0 Fire: 0 Reactivity: 0 Other: 0

FLASHPOINT AND METHOD: N/A

EXTINGUISHING METHOD: In a major conflagration, use water mist, foam, CO₂, or dry chemical to keep material from decomposing.

FIRE OR EXPLOSION HAZARDS: Dust may accelerate burning when involved in a fire.

SPECIAL FIREFIGHTING PROCEDURES: Due to the presence of PO_x NO_x and NH₃ fumes, full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by firefighters.

SECTION VI - ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: Recover and reuse unless grossly contaminated.

SECTION VII - HANDLING AND STORAGE

STORAGE TEMPERATURE: Avoid storing in areas of excessive temperature.

SHELF LIFE: Indefinite.

SPECIAL SENSITIVITY: None.

HANDLING AND STORAGE PRECAUTIONS: Store in well ventilated building. Avoid skin and eye contact and avoid breathing dusts if generated. Good housekeeping is recommended to prevent the accumulation of dust.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: Use safety glasses if there is potential for exposure to particles which could cause mechanical injury to the eyes.

SKIN PROTECTION: Wear gloves and long sleeves when handling this product.

RESPIRATORY PROTECTION: Treat as a nuisance dust. For exposures over 15 mg/M³, total dust (OSHA PEL), use a respirator approved for dusts such as 3M model 8511 N-95 or equivalent

ENGINEERING CONTROLS: Product is normally used out of doors; however, if indoor use is required, good general ventilation should be sufficient for most conditions.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM: Granules

ODOR: Negligible

COLOR: Gray

SPECIFIC GRAVITY: N/D

MELT POINT: N/A

BULK DENSITY: N/D

SOLUBILITY IN WATER: 20-30 %

pH: N/D

SECTION X - REACTIVITY

STABILITY: This is stable material.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITIES: None in designed use.

DECOMPOSITION PRODUCTS: CO, CO₂, PO_x, NO_x, NH₃, irritating hydrocarbon particulate.

SECTION XI - TOXICOLOGICAL/ECOLOGICAL INFORMATION

The nitrogen and phosphate content of the stormwater run-off of excessively applied fertilizer may result in ecological damage to lakes and streams by stimulating algae and other aquatic growth.

SECTION XII - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: This material is commercial fertilizer . It may be disposed of by applying to soil in accordance with manufacturer's recommendations.

SECTION XIII - TRANSPORTATION INFORMATION

DOT SHIPPING NAME: Not Regulated domestically

DOT LABEL: None

TECHNICAL SHIPPING NAME: None

DOT PLACARD: None

DOT HAZARD CLASS: IMO-ORM

UN/NA NUMBER: UN-2071

SECTION XIV - REGULATORY INFORMATION

OSHA STATUS: This product is regulated as a nuisance dust under OSHA criteria .

TSCA STATUS: All applicable chemicals are registered under TSCA.

CERCLA REPORTABLE QUANTITY: Not regulated under CERCLA.

SARA TITLE III: .

SECTION 302 EXTREMELY HAZARDOUS: N/A

SECTION 311/312 HAZARD CATEGORIES: Chemicals contained in this product are reportable under SARA Title III. Check with your county emergency planning committee for applicable reportable quantities.

SECTION 313 TOXIC CHEMICALS: N/A

RCRA STATUS: Not regulated under RCRA

SECTION XV - APPROVALS

REASON FOR ISSUE: New MSDS

APPROVAL DATE: May 7, 2002

PREPARED BY: CCG, Inc.

SUPERSEDES DATE: None

SECTION XVI - DISCLAIMER

AS OF THE DATE OF THIS DOCUMENT, THE FOREGOING INFORMATION IS BELIEVED TO BE ACCURATE AND IS PROVIDED IN GOOD FAITH TO COMPLY WITH APPLICABLE FEDERAL AND STATE LAWS. HOWEVER, NO WARRANTY OR REPRESENTATION OF LAW OR FACT, WITH RESPECT TO SUCH INFORMATION, IS INTENDED OR GIVEN.