

Richlawn Turf Food, LLC.

MATERIAL SAFETY DATA SHEET

SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: Richlawn Iron Rich, 3-2-1 10% Fe, 5% Sulfur **MSDS NUMBER:** 1024
GENERIC NAME: Organic Based Fertilizer **DATE ISSUED:** May 28 1998
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	N/A	N/A
Ferrous Sulfate	7782-63-0	~30	N/A	N/A
Chelated Iron	7439-89-6	~5	N/A	N/A

Key: N/A = not applicable; N/D = not determined; TLV = ACGIH, 8 hr. time weighted average (TWA); PEL = OSHA permissible exposure limit.

SECTION III - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Can burn in a fire, but not normally an emergency problem. Not a fire hazard in open areas, however, during a fire, irritating smoke and fumes may be generated by the thermal decomposition or combustion. Dust may be irritating.

HMIS RATING: **Health:** 0 **Fire:** 1 **Reactivity:** 0 **Other:** 0

POTENTIAL HEALTH EFFECTS:

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

INHALATION: Irritating to mucous membranes and respiratory tract. May cause sore throat, coughing, difficult breathing and severe lung congestion. Delayed reactions may result in pulmonary edema and chemical pneumonitis.

SKIN CONTACT: May cause skin irritation with reddening which may be more intense under hot, humid conditions.

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

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

SECTION III - HAZARDS IDENTIFICATION

OTHER: None

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: May cause upper respiratory irritation, and may aggravate preexisting respiratory conditions.

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 flush with large amounts of water. Seek medical attention if irritation persists.

INGESTION: Do not induce vomiting. Seek medical attention.

SECTION V - FIREFIGHTING MEASURES

NFPA RATING: Health: 1 Fire: 0 Reactivity: 0 Other: 0

FLASHPOINT AND METHOD: N/A

EXTINGUISHING METHOD: Water only; no dry chemical, CO₂, or Halon.

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: Remove sources of heat or ignition. Keep combustibles away from spilled material.

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, away from incompatible materials or sources of heat and ignition. Avoid skin and eye contact and avoid breathing dust 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: None needed under normal conditions of usage.

RESPIRATORY PROTECTION: None needed under normal conditions of usage. However, in dusty atmospheres, use a respirator approved for dust.

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: 10-20%

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 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 and 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 nuisance dust under OSHA criteria.

TSCA STATUS: All applicable chemicals are registered under TSCA.

CERCLA REPORTABLE QUANTITY: Not regulated under CERCLA.

CALIFORNIA PROPOSITION 65: Not regulated under California Proposition 65.

SARA TITLE III: Not regulated under 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 28th 1998

PREPARED BY: CCG, Inc.

SUPERSEDES DATE: N/A

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.