

Richlawn Turf Food, LLC.

MATERIAL SAFETY DATA SHEET

SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: Richlawn Organic 100, 4-2.5-8
MSDS NUMBER: 1027
GENERIC NAME: Organic Fertilizer
DATE ISSUED: January 2, 2001
MANUFACTURER: Richlawn Turf Food, LLC.
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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)
Organic Sulfate of Potash	N/A	>20	N/A	N/A
Blood meal	N/A	~2	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: 1 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.

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.

SECTION III - HAZARDS IDENTIFICATION

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: 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 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: January 2, 2001

PREPARED BY: CCG, Inc.

SUPERSEDES DATE: None

SECTION XVI - DISCLAIMER

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