

MATERIAL SAFETY DATA SHEET

Nutri-Rich 8-2-4

1 - Product Identification

Manufacturer Name and Address: J & D Fertilizer, dba D. Stutzman Farms
P.O. Box 307
Canby, OR 97013

Emergency Phone: (503) 266-4610

Product Name: Nutri-Rich 8-2-4
Synonyms: None

Date Prepared: March 1, 2006
Prepared By: Corporate Safety and Health

2 - Hazardous Ingredients/Identity Information

<u>COMPONENTS</u>	<u>PERCENT</u>
Chicken Manure	~ 45
Blood Meal	~ 25
Feather Meal	~ 25
Potassium Sulfate	~ 5

Note the percentages above refer to solids only. Finished product is approximately 92% solids and 8% H₂O.

APPEARANCE AND ODOR: Solid Brown pellet or granule, Slightly Putrid

3 - Physical / Chemical Characteristics

BOILING POINT (F OR C): NAP

VAPOR PRESSURE (MM HG): NAP

SPECIFIC GRAVITY (H₂O = 1): <1
PELLETS ~ 50# FT³
CRUMBLES ~ 40# FT³

MELTING POINT (F OR C): NAP

EVAPORATION RATE (BUTYL ACETATE =1): NAP

SOLUBILITY IN WATER: NAP

% VOLATILE BY VOLUME @ 70 F: NAP

PH: 7 - 8, USUALLY - 7.5

4 - Fire and Explosion Hazard Data

FLASH POINT (METHOD USED): NAP

FLAMMABLE LIMITS:

LEL: See below under "Unusual Fire and Explosion Hazards"

UEL: NAP

EXTINGUISHING MEDIA: Water, Foam

AUTOIGNITION TEMPERATURE (F OR C): 400 - 500 F

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: If ignited chicken manure may continue to smolder until extinguished.

5 - Reactivity Data

STABILITY:

() Unstable (X) Stable

Conditions to Avoid: NAP

INCOMPATIBILITY (MATERIALS TO AVOID): None Listed

HAZARDOUS POLYMERIZATION:

() May Occur (X) Will not occur

Conditions to Avoid: NAP

6 - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Sweep up and place in suitable container for use, recycle, or disposal.

WASTE DISPOSAL METHOD:

It is the user's responsibility to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Follow applicable federal, state or local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

No special handling requirements. Store away from open flame.

OTHER PRECAUTIONS:

If this product is used in a process which generates dust levels in excess of the OSHA or state standard for dust, a mask (NIOSH/MSHA approved) and goggles should be worn.

7 - Health Hazard Data

PRIMARY ROUTE(S) OF EXPOSURE:

- (x) Ingestion
- (x) Skin - Fiber, water, organics
- (x) Inhalation - Dust

8 - Control Measures

PERSONAL PROTECTIVE EQUIPMENT:

Respiratory Protection:

Not applicable for product in purchased form. A NIOSH/MSHA - approved respirator is recommended when the allowable exposure limits may be exceeded.

Protective Gloves:

Not required. However, cloth, canvas, or leather gloves are recommended to minimize potential mechanical irritation from handling product.

Eye Protection:

Not applicable for product in purchased form. However, safety glasses/goggles are recommended if the product is used in such a way as to generate high dust levels.

Other Protective Clothing or Equipment:

Not applicable for product in purchased form.

Work/Hygienic Practices:

Follow good hygienic and housekeeping practices. Clean up areas where product settles to avoid excessive accumulation; when dry, material is combustible. Minimize blowdown or other practices which generate high airborne-dust concentrations.

VENTILATION:

Local Exhaust:

Provide local exhaust as needed so that exposure limits are met.

Mechanical (general):

Provide general ventilation in processing and storage areas as needed so that exposure limits are met.

Special:

Self-contained breathing apparatus (SCBA) recommended when fighting fire.

Other: NAP

ACUTE HEALTH HAZARDS: Signs and symptoms of exposure/emergency first aid procedures:

Ingestions:

Not applicable under normal use. If ingested give 2-3 glasses of water and induce vomiting. Call a doctor.

Eye Contact:

Dust may mechanically irritate the eyes resulting in redness and watering
Treat dust in eye as foreign object. Flush with water to remove dust particle.
Get medical help if irritation persists.

Skin Contact:

For skin exposure, wash with soap and water. Get medical help if rash, irritation, or dermatitis persists.

Skin Absorption:

Not known to occur under normal use.

Inhalation:

Excessive dust concentrations may cause unpleasant deposit/obstruction in the nasal passages, resulting in dryness of nose, dry cough, and headaches.

Remove to fresh air. Get medical help if persistent irritation, severe coughing, or breathing difficulty occur.

Carcinogenicity Listing:

() NTP: Not listed

() IARC Monographs: Not listed

() OSHA Regulated: Not listed

9 - User's Responsibility

The information contained in this Material Safety Data Sheet is based on the experience of occupational health and safety professionals and comes from sources believed to be accurate or otherwise technically correct. It is the user's responsibility to determine if

this information is suitable for his/her applications and to follow safety precautions as may be necessary. The user has the responsibility to make sure this sheet is the most up-to-date issue.

10 - Additional Information

Definition of Common Terms:

ACGIH = American Conference of Governmental Industrial Hygienists

C = Ceiling Limit

CAS# = Chemical Abstracts System Number

IARC = International Agency for Research on Cancer

MSHA = Mining Safety and Health Administration

NAP = Not Applicable

NAV = Not Available

NIOSH = National Institute for Occupational Safety and Health

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

PEL = Permissible Exposure Limit

STEL = Short term Exposure Limit (15 minutes)

TLV = Threshold Limit Value

TWA = Time-Weighted Average (8 hours)