



SAFETY DATA SHEET

Section 1: Identification

Product Name: NutriTek®

Manufacturer:

Diamond V

P.O. Box 74570

Cedar Rapids, Iowa 52404

Diamond V and EMERGENCY phone number: (800) 373-7234

Recommended Use of Product: A natural fermentation-based product designed for the further manufacture of nutritionally balanced feeds for dairy cows.

Date: 13 April 2016

Revision: 2

Section 2: Hazard(s) Identification

Classification: Organic Dust

Label Elements: *Signal Word:* N/A due to FDA Labeling Exemption.

Hazard Statement(s): May be an eye irritant. Rinse eyes with plenty of water. Avoid breathing dust. May cause breathing difficulties if inhaled. Excessive inhalation may affect nose, throat, and lungs.

Explosion Hazard: Feed is generally considered not hazardous, but dust generated through downstream activities that may reduce its particle size (e.g. shipping, handling transfer to bins etc.) may create a hazardous condition. If exposed to an ignition source, feed dust may burn. Airborne dust in sufficient concentrations when exposed to an ignition source may flash or, in a confined situation, may fuel an explosion.

Section 3: Composition/Information on Ingredients

Component:

- Dust from prepared animal feeds (grains, plant proteins, and/or minerals). 98-99%
- Silicon Dioxide, chemically prepared:

CAS #	Name	Percentage	PEL (OSHA Z1)	Time Weighted Average (TWA Z3)
112926-00-8	Silicon Dioxide	1-2%	5 mg/m ³ Respirable Fraction; 15 mg/m ³ Total Dust.	20 millions of particles per cubic foot of air; 0.8 mg/m ³ .

Composition: Reference the product label for product composition.

Section 4: First Aid Measures

General Information: No special measures required.

Inhalation: If overcome by high dust concentrations, remove to a ventilated area with fresh air. Seek medical attention for any breathing difficulty.

Skin Contact: Wash with soap and water. Generally the product does not irritate the skin.

Eye Contact: Rinse opened eye for several minutes under running water to remove material. Obtain medical attention.

Ingestion: Rinse out mouth with water. Drink plenty of water.

Section 5: Fire-fighting Measures

Suitable Extinguishing Agents: CO₂, dry chemical or water spray. Do not use strong streams of water or dry chemical if this will disperse dust into the air. Dust placed in suspension with an ignition source present may flash or explode.

Unusual Fire and Explosion Hazards: Explosion hazard may exist for combustible dusts of certain particle size and moisture content when suspended in air at certain concentrations and subjected to an ignition source.

Section 6: Accidental Release Measures

Person-related Safety Precautions: Wear personal protective equipment.

Measures for Cleaning/Collecting: Vacuum or sweep material. Collect in suitable container for disposal. Do not use compressed air to avoid dispersal of dust into the air.

Measures for Environmental Protection: Follow all local, state and federal regulations.

Section 7: Handling and Storage

Store this product in a cool, dry environment. Avoid generating dust during handling. Use local exhaust and ventilation during handling to prevent dust accumulations. Avoid strong oxidizing agents, moisture.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Where possible, provide general mechanical and/or local exhaust ventilation to prevent release of dust into work environment.

Personal Protective Equipment:

Eyes and Face: Safety glasses or goggles in excessive dust concentrations.

Respirator: A general all-purpose dust mask that is equal to or similar to NIOSH Approved N95 Particulate Respirator is recommended if needed.

Protective Clothing: Impermeable gloves and long sleeves or other protective clothing is recommended to minimize skin contact.

Section 9: Physical and Chemical Properties

- A.) Appearance: Tan to brown granular powder
- B.) Odor: Fermented, yeasty aroma
- C.) Odor Threshold: Unknown
- D.) pH: Unknown

- E.) Melting point/freezing point: Not Applicable
- F.) Boiling point, boiling range: Not Applicable
- G.) Flash point: Unknown
- H.) Evaporation rate: Not Applicable
- I.) Flammability (solid, gas): Slightly flammable. Will burn. NFPA Rating=1.
- J.) Upper/lower flammability or explosive limits: Unknown
- K.) Vapor pressure: Not Applicable
- L.) Vapor density: Not Applicable
- M.) Relative density: 41-45 lb/ft³ (657-721 kg/m³)
- N.) Solubility: Not soluble
- O.) Partition coefficient: n-octanol/water: Unknown
- P.) Auto-ignition temperature: Unknown
- Q.) Decomposition temperature: Unknown
- R.) Viscosity: Unknown

Section 10: Stability and Reactivity

Chemical Stability: Stable

Conditions to Avoid: Moisture

Incompatible Materials: Strong oxidizing agents, moisture.

Hazardous Decomposition Products: Unknown

Possibility of Hazardous Reactions: Unknown

Section 11: Toxicological Information

Routes of Entry: *Inhalation: X Skin: X Eyes: X Ingestion: Unlikely*

Acute: May be mechanical irritant to skin and eyes. Excessive inhalation of feed dusts may affect the nose, throat and lungs.

Chronic: Repeated and prolonged inhalation of feed dusts may affect the respiratory system.

Signs and Symptoms of Exposure: Irritation to the skin, eyes, nose or throat may occur.

Section 12: Ecological Information

Not Available

Section 13: Disposal Considerations

In accordance with Federal, State and Local regulations

Section 14: Transport Information

Not Applicable

Section 15: Regulatory Information

Section (B) (5) (III) of the HSC (CFR 1910.1200) exempts food, including feed and therefore any associated feed dust from the labeling requirements of the HSC since the food/feed is subject to the labeling requirements of the Food and Drug Administration (FDA).

Section 16: Other Information

Feed components generally produce a limited amount of dust in manufacturing and handling of the material. Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purpose or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

End of SDS