

SAFETY DATA SHEET

Nutrimens® Granular



Revision date: 2020-06-18
Version 1.0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: Nutrimens® Granular

Synonyms: Bio-fermentation product, Yeast Fermentation Product

Product Form: Mixture

Recommended use of the chemical and restrictions on use

Recommended Use: An all-natural bio-fermentation product designed to be used as a water treatment amendment.

Restrictions on Use: Use as recommended by the label

Details of the supplier and of the safety data sheet

Manufacturer Diamond V
P.O. Box 74570
Cedar Rapids, Iowa 52404
EMERGENCY phone number: (800) 373-7234

Supplier Tersus Environmental, LLC
1116 Colonial Club Rd
Wake Forest, NC 27587
Phone: +1-919-453-5577
Email: info@tersusenv.com

Contact Person David F. Alden
Phone: +1-919-453-5577 x2002
Email: david.alden@tersusenv.com

Emergency telephone number

For leak, fire, spill or accident emergencies, call:

+1-919-453-5577 (Tersus Office Hours, 8:00 AM to 5:00 PM Eastern)
+1-800-424-9300 (Chemtrec 24 Hour Service – Emergency Only)
+1-703-527-3887 (Chemtrec Outside United States 24 Hour Service – Emergency Only)
+1-919-638-7892 Gary M. Birk (Outside office hours)

2. HAZARD IDENTIFICATION

Relevant identified uses of the substance or mixture

This product is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Other hazards

None known.

Label elements

Hazard Pictograms

**Signal Word:****Warning****Hazard Class:**Skin Irritant
Eye Irritant
Respiratory Irritant**Hazard Statements:**May form combustible dust concentrations in air.
May cause skin, eye, and respiratory irritation.
Non-Regulated Material**Precautionary statement**

Wash hands and other exposed skin thoroughly after handling. Wear protective gloves and safety glasses with side shields. Avoid breathing dust. Use only in a well-ventilated area.

Prevention No GHS prevention statements
Response No GHS response statements
Storage No GHS storage statements
Disposal No GHS disposal statements

Hazard(s) not otherwise classified (HNOC) None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Formula

Mixture

Hazardous components

Chemical Name	Concentration (%)	CAS Number
None	None	None

Synonyms are provided in Section 1.

Occupational exposure limits, if available, are listed in Section 8.

4. FIRST AID MEASURES

General Information

Check the vital functions. If unconscious place in recovery position and seek medical advice. In case of respiratory arrest, administer artificial respiration. Cardiac arrest: perform resuscitation. Victim conscious with labored breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Take victim to a doctor if irritation persists.

Remove affected person from source of contamination.

Eye Contact	Product is a severe eye irritant. Direct contact with eyes must be avoided. In case of contact with eyes, flush eyes with low pressure water for at least 15 minutes. If irritation persists, seek medical attention.
Skin Contact	In case of contact with skin, wash with soap and water. Generally, the product does not irritate the skin. If irritation persists, consult a physician.
Inhalation	If inhaled: remove person to fresh air. Seek medical attention if you feel unwell.
Ingestion	Rinse out mouth with water. Health injuries are not known or expected under normal use.
Most important symptoms and effects, both acute and delayed	Information not available
Indication of any immediate medical attention and special treatment needed	If exposed or concerned, get medical advice and attention.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	CO ₂ , 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.
Specific Hazards Arising from the chemical or mixture	Avoid strong oxidizing agents.
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.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Provide enough ventilation. Advice for emergency responders: protective equipment see Section 8. Wear protective clothing as described in Section 8 of this safety data sheet. Do not smoke or use open fire or other sources of ignition. Contact with walking surface may result in formation of slippery film/falling hazard.
First Aid:	In case of contact with skin, wash with soap and water. If symptoms occur, seek medical attention. In case of contact with eyes, rinse with plenty of water for at least 15 minutes and see an eye specialist if irritation persists. In case of inhalation, remove to fresh air. In case of ingestion, drink water. If symptoms occur, seek medical assistance.
Environmental Precautions Methods for Containment and Clean Up	Not required. Vacuum or sweep material. Do not use compressed air to avoid dispersal of dust into the air.

7. HANDLING AND STORAGE

Precautions for safe handling	Store this product in a cool, dry, well ventilated environment. Keep container tightly closed. Avoid generating dust during handling. Use local exhaust and ventilation during handling to prevent dust
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Hygiene measures accumulations.
Handle in accordance with good industrial hygiene and safety procedures. Use good personal hygiene practices.

Conditions for safe storage, including any incompatibilities Keep containers closed. Recommended storage temperature 50°-80°F. Avoid strong oxidizing agents, moisture.

8. EXPOSRE CONTROL / PERSONAL PROTECTION

Control parameters

Exposure guidelines, ingredients with workplace control parameters.

Name	CAS-No	TLV (ACGIH)	PEL (OSHA)
	None	Information not available	Information not available

Exposure Control

Protective equipment



Appropriate engineering controls Where possible, provide general mechanical and/or local exhaust ventilation.

Eye/face protection Safety glasses or goggles.

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

Hand protection Neoprene. Vinyl, Rubber (natural, latex), Butyl rubber. Wear protective gloves made of the following material: Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Polyvinyl chloride (PVC). Manufactured/tested in accordance with EN 374, Avoid the following conditions: Polyvinyl alcohol (PVA).

Other skin and body protection Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures Gloves and long sleeves are recommended to minimize skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Tan to brown granular powder
Odor	Fermented, yeasty aroma
Odor threshold	Information Not Available
pH	Unknown
Melting point /Freezing Point	Not Applicable
Initial Boiling point and boiling point range	Not Applicable

Flash Point	Unknown
Evaporation rate	Not Applicable
Flammability (solid; gas)	Slightly flammable. Will burn. NFPA Rating=1.
Upper/lower flammability or explosive limits	Unknown
Vapor pressure	Unknown
Vapor density	Unknown
Relative density	34-37 lb./ft ³ (552-601 kg/m ³)
Solubility (ies)	Soluble
Partition coefficient: n-octanol/water	Unknown
Initial Boiling point and boiling point range	Unknown
Auto-ignition temperature	Unknown
Decomposition temperature	Unknown
Viscosity	Not Applicable

10. STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions and use.
Chemical stability	Information not available
Possibility of hazardous reactions	Information not available
Conditions to avoid	Avoid high temperature, strong oxidizing agents.
Incompatible materials	Avoid high temperature, strong oxidizing agents.
Hazardous decomposition products	Hazardous decomposition will not occur.
Hazardous Polymerization	Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Acute toxicity	Information Not Available
Skin Corrosion/Irritation	Information Not Available
Serious Eye Damage/Irritation	Information Not Available
Respiratory or Skin Sensitization	Information Not Available
Ingestion	Information Not Available
Germ Cell Mutagenicity	Information Not Available
Carcinogenicity	Information Not Available
Reproductive Toxicity	Information Not Available
Specific Target Organ Toxicity – Single Exposure	Information Not Available
Specific Organ Toxicity – Repeated Exposure	Information Not Available
Aspiration Hazard	Information Not Available
General Remarks	Information Not Available

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

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

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

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

12. ECOLOGICAL INFORMATION

Chemical Fate Information

Information Not Available

Biodegradability

Readily degradable.

Excess product in waterways may encourage eutrophication.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

Dispose according to federal, state, and local laws. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Authority. Waste is suitable for incineration.

14. TRANSPORTATION INFORMATION

U.S. (D.O.T.)

Proper Shipping Name:	Chemicals not otherwise indexed (NOI) nonhazardous.
Hazard Class:	Not applicable
UN/NA:	Not applicable
Labels:	Not applicable

Canada (T.D.G.)

Proper Shipping Name:	Chemicals not otherwise indexed (NOI) nonhazardous.
Hazard Class:	Not applicable
UN/NA:	Not applicable
Labels:	Not applicable

IMDG

Proper Shipping Name:	Chemicals not otherwise indexed (NOI) nonhazardous.
Hazard Class:	Not applicable
UN/NA:	Not applicable
Labels:	Not applicable

IATA

Proper Shipping Name:	Chemicals not otherwise indexed (NOI) nonhazardous.
Hazard Class:	Not applicable
UN/NA:	Not applicable
Labels:	Not applicable

15. REGULATORY INFORMATION

TSCA

No

SARA TITLE III

Section 302 (EHS) Ingredients:	No
Section 313 Ingredients:	No
Section 304 (EHS/CERCLA) Ingredients:	No

SARA TITLE III Notification Information

Acute Health Hazard:	No
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Chronic Health Hazard:	No
Fire Hazard:	No
Sudden Release of Pressure Hazard:	No

16. OTHER INFORMATION

Components not precisely identified are proprietary or non-hazardous.

The information contained in this Safety Data Sheet, as of the issue date, is believed to be true and correct. However, the accuracy or completeness of this information and any recommendations or suggestions are made without warranty or guarantee. Since the conditions of use are beyond the control of our company, it is the responsibility of the user to determine the conditions of safe use of this product. The information in this sheet does not represent analytical specifications; for this information contact Tersus Environmental.

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. All recommendations for the use of our products, whether given by us, orally or to be implied from data or lab tests results by us, are based on the current state of our knowledge at the time those recommendations are made. When additional information is obtained, these recommendations may be updated. They may also be influenced by circumstances outside our control. Notwithstanding, such recommendation the user is responsible that the product as supplied by us is suitable to the process or purpose he intends to use it. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of this product. Since we cannot control the application, use or processing of the product, we do not accept responsibility. Therefore, the user should assure that the intended use of the product will not infringe in any party's intellectual property right.



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End of Safety Data Sheet