



MATERIAL SAFETY DATA SHEET

FERTI-NITRO PLUS PLANT NITROGEN

Latest update: April 18, 2013

PRODUCT IDENTIFICATION

Name: Ferti-Nitro Plus Plant Nitrogen
Chemical Description: hydrolyzed protein amino acid; NPK: 13.62-0-0
Company: Ferti-Organic, Inc (956) 574-8280 www.ferti-organic.com

PHYSICAL /CHEMICAL CHARACTERISTICS

Specific Gravity: 0.47
pH 1% solution: 5.5-7.0
Physical state: powder
Solubility in water: complete
Appearance: creamish to light brownish yellow
Odor: Not distinctive
Flash point: >212°F
Boiling point: >212°F

FIRE AND EXPLOSION DATA

Flash Point: Non-combustible
Flammable limits: Smolders when directly heated in flame
Extinguishing media: Water, CO2
Special firefighting procedures: No special methods required

REACTIVITY DATA

Stability: Stable under recommended storage and handling conditions (see section PRECAUTIONS FOR SAFE HANDLING AND USE). Hygroscopic.
Conditions to avoid: Exposure to direct sunlight and prolonged exposure to air.
Incompatibility: Contact with strong oxidizing agents.
Hazardous decomposition: Carbon monoxide, carbon dioxide.
Hazardous polymerization: Has not been reported.

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TOXICOLOGY

Acute toxicity:	low
Inhalation:	LC50(rat)>20mg/liter/4h
Acute dermal:	Non irritant
Eye toxicity:	Non irritant
Ecotoxicity:	N/A

HEALTH EFFECTS/FIRST AID INFORMATION

ROUTES OF ENTRY

Inhalation:	Dust at high concentrations can cause irritation of mucus membrane, sneezing and coughing.
Eyes:	May cause irritation.
Ingestion:	Can cause upper GI tract disturbance (diarrhea, nausea, vomiting).
Skin:	Brief contact with the skin is not toxic. Repeated or prolonged contact will dehydrate skin.
Signs/symptoms of exposure:	Eye irritation and or sneezing, coughing and difficulty breathing.
Carcinogenicity:	Ingredient not carcinogenic.

EMERGENCY AND FIRST AID PROCEDURES

Eyes:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If discomfort or redness persists seek medical attention.
Skin:	Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
Ingestion:	Wash out mouth with water. Drink 1-3 glasses of water.
Inhalation:	Remove from exposure.

PRECAUTIONS FOR SAFE HANDLING AND USE

Respiratory protection:	Avoid inhaling dust. Avoid contact with eyes, skin and clothing. If dusting occurs use approved respirator to eliminate exposure.
Storage:	Storage area should be cool and dry, out of direct sunlight.
Ventilation:	Exhaust fan recommended in controlling any dusting.
Protective gloves/clothing:	Rubber or plastic.
Eye protection:	Splash goggles recommended where dusting is expected.
Work practices:	Use good housekeeping practices. Keep containers tightly closed.
Spills:	Avoid creating dust when cleaning up. Scoop, shovel or sweep to labeled containers for recycling/salvage if not contaminated by other material.

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Waste disposal method: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Dispose of product in accordance with local and national regulation.
Container disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill.

TRANSPORTATION

Follow the precautions indicated in the Safe Handling and Use of this MSDS.
UN: UN Number Not classified

ENVIRONMENTAL HAZARDS

No special precaution needed. Product is not a contaminant.

REGULATORY INFORMATION

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: N/A
Risk Phrases: N/A
Safety Phrases: N/A

OTHER INFORMATION

NOTES: We do not accept liability for loss, injury, or damage which may result from misuse. Data is solely for guidance purposes of safe handling and uses. We encourage users to conduct their own testing best suited for their purposes under their conditions.

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