



Gemini I SAFETY DATA SHEET

Revised 12-10-2019

1. IDENTIFICATION

Product Name	Gemini I
Recommended Use	Use as a protein source for all classes of dairy and beef cattle. Feed 0.5 to 2.0 lb per head per day.
Manufacturer	Papillon Agricultural Company
Address	129 N. West Street 2 nd Floor, Easton, MD 21601 USA
Contact Information	Telephone: (800) 888-5688 Fax: (410) 822 0429
Emergency Phone	(443) 496-1286

2. HAZARD(S) IDENTIFICATION

Classification	The product is not classified.
Label Elements	Signal Word- N/A Due to FDA labeling exemption Hazard Statements- None Precautionary Statements- None
Other Hazards	Physical and Chemical Hazards Small quantities: The hazardous properties of the product are considered to be limited. Large quantities: In high concentrations, fine particles may form explosive dust/air mixtures. Human Health Dust may irritate the eyes, mouth and the respiratory system. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases. The product does not contain any carcinogenic substances in amounts to be declared. Ethoxyquin NTP — OSHA — IARC — Environment: The harmful effects of the product in the environment are considered to be limited.

3. COMPOSITION/ INFORMATION

Substance or Mixture	Mixture
Ingredients	Hydrolyzed Feather Meal, Blood Meal, Processed Grain Byproducts, DL Methionine Hydroxy Analogue, Ethoxyquin
CAS# and Ingredient Percentages	Ethoxyquin CAS# 91-53-2 ≤ 0.01% GHS Irritant 4, H302 Harmful if swallowed Other ingredient percentages have been withheld as a trade secret.

4. FIRST AID MEASURES

First Aid Procedures	Inhalation: Dust inhalation: Move into fresh air and keep at rest. In case of persistent throat irritation or coughing: Seek medical attention and take along these instructions. Skin contact: Remove contaminated clothing immediately and wash skin with soap and water. Eye contact: Do not rub eye. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring these instructions. Ingestion: Rinse mouth thoroughly. If uncomfortable: Get medical attention.
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Most Important Symptoms/ Effects, Acute and Delayed Special Treatment	Dust may irritate the eyes and the respiratory system. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.
	No special measures required.

5. FIRE-FIGHTING MEASURES

Extinguishing Media	Use fire-extinguishing media appropriate for surrounding materials.
Specific Hazards	In significant concentrations, fine dust placed in suspension with an ignition source present may flash or explode.
Fire-Fighter Precautions	Wear self-contained breathing apparatus as required by the situation.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment And Emergency Procedures	Avoid conditions for a combustible dust explosion. Avoid inhalation of dust and contact with eyes and skin and mouth by wearing personal protective equipment (i.e. masks, glasses/goggles)
Clean-up Methods	Clean up with a vacuum cleaner, broom or shovel. Do not allow dust deposits to accumulate as these can form an explosive mixture if released into the atmosphere in sufficient concentrations. Avoid dispersal of dust in the air in the presence of an ignition source.

7. HANDLING AND STORAGE

Safe Handling Precautions	Avoid inhalation of dust and contact with skin and eyes. Wear appropriate personal protective equipment.
Safe Storage Conditions	Keep bags closed and store in a cool dry area for maximum stability. Avoid contact with strong acids as these will degrade the product.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Controls	Adequate ventilation should be provided. If dust levels exceeding 15 mg/m ³ employees should wear a dust respirator. Safety glasses/goggles should also be worn in dusty conditions. Gloves are recommended for prolonged use.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Free-flowing particles
Color	Tan
Odor	Faint sweet smell
pH	No data available
Melting/Freezing Point	No data available
Boiling Point/ Range	No data available
Flash Point	No data available
Evaporation Rate	No data available
Flammability/ Limits	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Relative Density	47 Lbs./ cubic foot

Solubility	50% in water
Partition Coefficient	No data available
Auto-ignition Temp	No data available
Decomposition Temp	No data available
Viscosity	No data available

10. STABILITY AND REACTIVITY

Reactivity	None Known
Chemical Stability	Stable under normal conditions
Possibility Of Hazardous Reactions	Polymerization will not occur
Conditions To Avoid	None Known
Incompatible Materials	Strong acids will degrade the product.
Hazardous Decomposition Products	None Known.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects	<p>Inhalation: Dust may irritate respiratory system. Inhalation of high concentrations of dust or aerosols may cause toxic alveolitis. Symptoms like fever, cold shivering, coughing, difficulties in breathing, headache, muscle and joint pains etc. may appear 6 to 8 hours after exposure. The symptoms normally disappear completely over night without any treatment. May contain very small amounts of a sensitizing substance which may cause sensitization by inhalation in sensitive individuals.</p> <p>Skin contact: Dust has an irritating effect on moist skin.</p> <p>Eye contact: Dust in the eyes will cause irritation.</p> <p>Ingestion: May irritate and cause malaise.</p> <p>Specific effects: Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.</p> <p>The product does not contain any carcinogenic substances in amounts to be declared. Ethoxyquin NTP — OSHA — IARC —</p>
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12. ECOLOGICAL INFORMATION

Ecotoxicity	No data available
Persistence and Degradability	No data available
Bioaccumulative Potential	No data available
Mobility in soil	No data available
Other adverse effects	No data available

13. WASTE DISPOSAL CONSIDERATIONS

Procedures	Dispose of in accordance with Local, State, and Federal environmental regulations.
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14. TRANSPORT INFORMATION

UN Number	Not Applicable
UN Proper Shipping Name	Not Applicable
Transportation Hazard Class	Not Applicable
Packing Group	Not Applicable
Environmental Hazards	Not Applicable
Transport in Bulk (ANNEX II of MARPOL 73/78 & IBC CODE)	Not Applicable
Special Precautions	Not Applicable

15. REGULATORY INFORMATION

Regulations	Safety, health and environmental regulations/ legislation specific for the substance of mixture NFPA: Health 1 Fire 3 Reactivity — Other — GHS regulation Globally Harmonized System of Classification and Labeling of Chemicals (GHS)
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16. OTHER INFORMATION

Preparation Date	12-10-2019
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Reasonable care has been taken in preparation of this Safety Data Sheet. However, the data provided herein is without warranty, express or implied, regarding its correctness or accuracy. Individual users should determine the suitability of the information for their particular purpose and assume responsibility for loss, injury, damage, or expense resulting from improper use of this product.