

WHAT'S NeXt.

Balance for the NEXT limiting Amino Acid

SECTION 1: IDENTIFICATION

PRODUCT NAME	GEMINI I
RECOMMENDED USE	Bypass protein in dairy rations
MANUFACTURER	Papillon Agricultural Company
ADDRESS	129 N. West Street, 2 nd Floor Easton, Maryland 21601
CONTACT INFORMATION	Telephone: (800) 888-5688 Fax: (410) 822-0429
EMERGENCY PHONE NUMBER	(443) 496-1286

SECTION 2: HAZARD(S) IDENTIFICATION

CLASSIFICATION	Not Applicable: Non-hazardous Mixture/ Formula
SIGNAL WORD/ PRECAUTIONARY STATEMENT	Not Applicable
OTHER HAZARDS	Not Applicable

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

INGREDIENTS	Blood Meal, Hydrolyzed Feather Meal, Corn Distillers Grains, DL-Methionine Hydroxy Analog, Ethoxyquin
CONCENTRATION	Ingredient percentages (concentrations) have been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

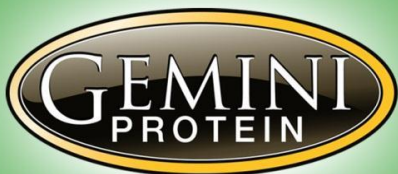
FIRST AID MEASURES	Rinse eyes with clean water if irritated by dust
SYMPTOMS/ DELAYED EFFECTS	Not Applicable
SPECIAL TREATMENT	Not Applicable

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	Not Applicable
SPECIFIC HAZARDS	Not Applicable
FIRE-FIGHTER PRECAUTIONS	Not Applicable

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Respiratory mask. Filter and eye goggles to protect from dust
CLEAN-UP METHODS	Vacuum or sweep up and spilled product



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SECTION 7: HANDLING AND STORAGE

SAFE HANDLING PRECAUTIONS	Not Applicable
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.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

OSHA EXPOSURE LIMIT	Not Applicable
ENGINEERING CONTROLS	Not Applicable
PERSONAL PROTECTIVE EQUIPMENT	Basic respiratory mask/filter and eye goggles to protect from dust

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

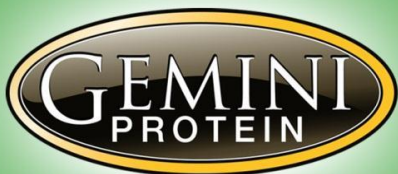
APPEARANCE	Tan free-flowing particles	FLAMMABILITY LIMITS	Not Applicable
ODOR	Sweet Smelling	VAPOR PRESSURE	Not Applicable
ODOR THRESHOLD	Not Applicable	VAPOR DENSITY	Not Applicable
pH	Not Applicable	RELATIVE DENSITY	47 lbs./ cubic foot
MELTING/ FREEZING POINT	Not Applicable	SOLUBILITY	50% In water
INITIAL BOILING POINT/ BOILING RANGE	Not Applicable	PARTITION COEFFICIENT: N-OCTANOL/ WATER	Not Applicable
FLASH POINT	Not Applicable	AUTO-IGNITION TEMP	Not Applicable
EVAPORATION RATE	Not Applicable	DECOMPOSITION TEMP	Not Applicable
FLAMMABILITY	Not Applicable	VISCOSITY	Not Applicable

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY	Not Applicable
CHEMICAL STABILITY	Stable under normal conditions
POSSIBILITY OF HAZARDOUS REACTIONS	Polymerization will not occur
CONDITIONS TO AVOID	Not Applicable
INCOMPATIBLE MATERIALS	Strong acids will degrade product
HAZARDOUS DECOMPOSITION PRODUCTS	Not Applicable

SECTION 11: TOXICOLOGICAL INFORMATION

EXPOSURE ROUTES	Inhalation and eye contact; Dust may cause mild irritation to lungs and eyes
SYMPTOMS OF TOXICOLOGICAL EFFECTS	Information not available



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DELAYED/ IMMEDIATE EFFECTS OF LONG/ SHORT EXPOSURE	Information not available
NUMERICAL MEASURES OF TOXICITY	Information not available
LISTED BY NTP/ IARC/ OSHA	Information not available
SECTION 12: ECOLOGICAL INFORMATION (NON-MANDATORY)	
ECOTOXICITY	Information not available
PERSISTENCE AND DEGRADABILITY	Information not available
BIOACCUMULATIVE POTENTIAL	Information not available
MOBILITY IN SOIL	Information not available
OTHER ADVERSE EFFECTS	Information not available
SECTION 13: DISPOSAL CONSIDERATIONS (NON-MANDATORY)	
TOXIC WASTE RESIDUE	Not Applicable
DISPOSAL OF CONTAMINATED PACKAGING	Not Applicable
SECTION 14: TRANSPORT INFORMATION (NON-MANDATORY)	
UN NUMBER	Not Applicable
UN PROPER SHIPPING NAME	Not Applicable
TRANSPORT 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
SECTION 15: REGULATORY INFORMATION (NON-MANDATORY)	
REGULATIONS	Not Applicable
SECTION 16: OTHER INFORMATION	
PREPARATION DATE	February 21, 2018