

MATERIAL SAFETY DATA SHEET

FloraMax-B11

FILE NO.:PVG0301
MSDS DATE: 02 /02/2012

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FloraMax-B11 (FM-B11)

PRODUCT Type: Direct Fed Microbial/ Probiotic

MANUFACTURER: Pacific Vet Group USA
ADDRESS: 2135 CreekView, Fayetteville AR USA 72704

EMERGENCY PHONE: 479-966-4447
OTHER CALLS: 479-409-5182
FAX PHONE: 479-966-4448

CHEMICAL NAME: Live Lactic Acid Bacteria

CHEMICAL FAMILY: Fermentation Product
CHEMICAL FORMULA: NA

PRODUCT USE: For administration to poultry in the drinking water using a standard medicator
PREPARED BY: Pacific Vet Group USA

SECTION 1 NOTES: N/A

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS:

Live Lactic acid bacteria. Also contains inactivated yeast (*Saccharomyces cerevisiae*), chickory root extract (inulin), and inert carrier.

SECTION 2 NOTES: N/A

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This product is not intended for human ingestion or application on humans. No known hazards exists.

ROUTES OF ENTRY: Avoid eye contact or accidental ingestion, wash hands after use.

POTENTIAL HEALTH EFFECTS

EYES: Potential irritant

SKIN: Potential irritant

INGESTION: Not known

INHALATION: Potential respiratory irritant

ACUTE HEALTH HAZARDS: none known

CHRONIC HEALTH HAZARDS: none known

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Possible allergic reaction in humans that are sensitized to *Lactobacillus* fermentation products, sorbitan, or yeast extract.

CARCINOGENICITY

OSHA: N/A

ACGIH: N/A

NTP: N/A

IARC: N/A

OTHER: N/A

SECTION 3 NOTES: N/A

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SECTION 4: FIRST AID MEASURES

EYES: Flush eyes with clean water and seek medical attention if irritation develops

SKIN: Wash affected area with soap and water and seek medical attention if irritation develops

INGESTION: Seek medical attention if gastrointestinal pain or symptoms develop

INHALATION: Seek medical attention if respiratory irritation or difficulties develop

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

Consider allergic reaction/sensitivity for any irritation that might develop

SECTION 4 NOTES: N/A

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: N/A
(% BY VOLUME) **LOWER:** N/A

FLASH POINT:

F: N/A

C: N/A

METHOD USED:

AUTOIGNITION TEMPERATURE:

F: N/A

C: N/A

NFPA HAZARD CLASSIFICATION

HEALTH: N/A

FLAMMABILITY: N/A

REACTIVITY: N/A

OTHER: N/A

HMIS HAZARD CLASSIFICATION

HEALTH: N/A

FLAMMABILITY: N/A

REACTIVITY: N/A

PROTECTION: N/A

EXTINGUISHING MEDIA: N/A

SPECIAL FIRE FIGHTING PROCEDURES: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION 5 NOTES: N/A

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: N/A

SECTION 6 NOTES: N/A

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: N/A

OTHER PRECAUTIONS: N/A

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: N/A

VENTILATION : N/A

RESPIRATORY PROTECTION: N/A

EYE PROTECTION: mask or eye protection recommended

SKIN PROTECTION: N/A

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N/A

WORK HYGIENIC PRACTICES: Wash hands following accidental contact

EXPOSURE GUIDELINES: N/A

SECTION 8 NOTES: N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Brown-tan powder

ODOR: mild fermentation odor

PHYSICAL STATE: solid

pH AS SUPPLIED: 5.5-7.2

pH (Other): N/A

BOILING POINT:

F: N/A

C: N/A

MELTING POINT:

F: N/A

C: N/A

FREEZING POINT:

F: N/A

C: N/A

VAPOR PRESSURE (mmHg): <50

@

F: 72

C: 22

VAPOR DENSITY (AIR = 1): <1.1

@

F: 72

C: 22

SPECIFIC GRAVITY (H₂O = 1): ~1.05

@

F: 72

C: 22

SOLUBILITY IN WATER: 100%

PERCENT SOLIDS BY WEIGHT: 90%

PERCENT VOLATILE: ~10%

BY WT/ 10% BY VOL @

F: 72

C: 22

VOLATILE ORGANIC COMPOUNDS (VOC): N/A

SECTION 9 NOTES: N/A

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SECTION 10: STABILITY AND REACTIVITY

STABLE

UNSTABLE

STABILITY: xx

CONDITIONS TO AVOID (STABILITY): N/A

INCOMPATIBILITY (MATERIAL TO AVOID): N/A

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: N/A

HAZARDOUS POLYMERIZATION: N/A

CONDITIONS TO AVOID (POLYMERIZATION): N/A

SECTION 10 NOTES: N/A

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Non-toxic

SECTION 11 NOTES: N/A

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Non-Hazardous to Environment

SECTION 12 NOTES: N/A

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Discard waste as septic waste, containers via landfill or non-hazardous waste

RCRA HAZARD CLASS: N/A

SECTION 13 NOTES: N/A

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: FloraMax

HAZARD CLASS: 0

ID NUMBER: SZ0301

PACKING GROUP: N/A

LABEL STATEMENT: N/A

WATER TRANSPORTATION

PROPER SHIPPING NAME: FM-B11

HAZARD CLASS: 0

ID NUMBER: SZ0301

PACKING GROUP: N/A

LABEL STATEMENTS: N/A

AIR TRANSPORTATION

PROPER SHIPPING NAME: FloraMax

HAZARD CLASS: 0

ID NUMBER: SZ0301

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PACKING GROUP: N/A
LABEL STATEMENTS: N/A

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OTHER AGENCIES: N/A

SECTION 14 NOTES: N/A

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): N/A

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): N/A

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): N/A

311/312 HAZARD CATEGORIES: N/A

313 REPORTABLE INGREDIENTS: N/A

STATE REGULATIONS: N/A

INTERNATIONAL REGULATIONS: N/A

SECTION 15 NOTES: N/A

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: N/A

PREPARATION INFORMATION: N/A

DISCLAIMER: This product must be stored and applied to poultry in a manner consistent with labeling directions. This product must not be used in a manner inconsistent with label directions. Combinations of chemicals can result in hazardous conditions not considered in this disclosure.

SECTION 16 NOTES: N/A