

Safety Data Sheet

SECTION 1: IDENTIFICATION

PRODUCT NAME	BaciFlex® F100
RECOMMENDED USE	Dairy Direct-Fed Microbial
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 a hazardous substance or mixture
SIGNAL WORD/ PRECAUTIONARY STATEMENT	Avoid inhalation of dusts
OTHER HAZARDS	<p>Possible irritation of the skin (especially open wounds), eyes, and respiratory tract. Swallowing large amounts may cause irritation of the gastrointestinal tract.</p> <p>Contains no hazardous components as listed in 29 CFR 1900.1000 or other pertinent sections of OSHA regulations. Product is GRAS for human consumption 21CFR 184.1444</p>

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

INGREDIENTS	<p>Active ingredients- dried <i>Bacillus subtilis</i> fermentation product, dried <i>Bacillus lentus</i> fermentation extract. Inert carriers- calcium carbonate, sodium bentonite, processed grain by-products, maltodextrin, sodium silico aluminate, and mineral oil.</p> <p>Contains live (viable) naturally occurring microorganisms.</p>
CONCENTRATION	Ingredient percentages (concentrations) have been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

FIRST AID MEASURES	In case of eye contact: Flush eyes with clean water for at least 15 minutes, get medical attention if irritation persists. In case of skin contact: Rinse with soap and water, get medical attention if symptoms occur. If swallowed: Rinse mouth, get medical attention if symptoms occur. If inhaled: Get medical attention if symptoms occur.
SYMPTOMS/ DELAYED EFFECTS	Not Applicable
SPECIAL TREATMENT	Not Applicable

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	Use extinguishing measures that are appropriate to local circumstances and environment.
SPECIFIC HAZARDS	Not Applicable
FIRE-FIGHTER PRECAUTIONS	Use PPE for surrounding environment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Respiratory mask/filter and eye goggles to protect from dust.
CLEAN-UP METHODS	Vacuum or sweep up any spilled product and place in a closed container.

SECTION 7: HANDLING AND STORAGE

SAFE HANDLING PRECAUTIONS Avoid contact with skin, eyes, and clothing. Do not breathe dust. Use adequate ventilation. Wash thoroughly after handling.

SAFE STORAGE CONDITIONS Keep bags closed and store in a cool dry area for maximum stability.

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 White crystalline powder **FLAMMABILITY LIMITS** Not Applicable

ODOR None **VAPOR PRESSURE** Not Applicable

ODOR THRESHOLD Not Applicable **VAPOR DENSITY** Not Applicable

pH Not Applicable **RELATIVE DENSITY** Not Applicable

MELTING/ FREEZING POINT Not Applicable **SOLUBILITY** Soluble

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 Premature contact with moisture may cause caking.

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

DELAYED/ IMMEDIATE EFFECTS OF LONG/ SHORT EXPOSURE	Information not available
NUMERICAL MEASURES OF TOXICITY	Information not available
LISTED BY NTP/ IARC/ OSHA	All bacterial and inert components in this product are recognized as safe.
SECTION 12: ECOLOGICAL INFORMATION (NON-MANDATORY)	
ECOTOXICITY	This product has no known Eco-toxicological effects.
PERSISTENCE AND DEGRADABILITY	Information not available
BIOACCUMULATIVE POTENTIAL	Significant accumulation in organisms is not to be expected.
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	Diluted product can be flushed to sanitary sewer system. Dispose of in accordance with local, state, and federal regulations.
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	The shipper/ consignor/ sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transportation.
SECTION 15: REGULATORY INFORMATION (NON-MANDATORY)	
REGULATIONS	<p>SARA/TITLE III - List of extremely hazardous substances for emergency planning and notification (40 CFR 300 & 305): This product does not contain any ingredients listed as an extremely hazardous substance (EHS) for emergency planning under section 301-303 and for Emergency Release Notification under section 304.</p> <p>SARA/TITLE III - List of toxic chemicals subject to release reporting (community right to know) (40 CFR 372): This product does not contain any ingredients listed as a toxic chemical for Annual Release Reporting Requirements under section 313.</p>
SECTION 16: OTHER INFORMATION	
PREPARATION DATE	February 14, 2018