

## SAFETY DATA SHEET

Revised 12-01-2022

### SECTION 1: IDENTIFICATION

<b>PRODUCT NAME</b>	BaciFlex®-Calf
<b>RECOMMENDED USE</b>	Direct-fed microbial for calves. Contains a source of live (viable) naturally occurring microorganisms.
<b>MANUFACTURER</b>	Papillon Agricultural Company
<b>ADDRESS</b>	114 S. Washington Street, Suite 104, Easton, MD 21601
<b>CONTACT INFORMATION</b>	Telephone: (800) 888-5688 Fax: (410) 822-0429
<b>EMERGENCY PHONE NUMBER</b>	(443) 496-1286

### SECTION 2: HAZARD(S) IDENTIFICATION

<b>CLASSIFICATION</b>	Not a hazardous substance or mixture
<b>SIGNAL WORD/ PRECAUTIONARY STATEMENT</b>	Avoid inhalation of dusts
<b>OTHER HAZARDS</b>	Possible irritation of the skin (especially open wounds), eyes, and respiratory tract. Swallowing large amounts may cause irritation of the gastrointestinal tract.  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

### SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

<b>INGREDIENTS</b>	Active ingredients- dried <i>Bacillus subtilis</i> fermentation product, dried <i>Lactobacillus plantarum</i> fermentation product Inert carriers- sucrose, maltodextrin, and sodium silico aluminate.
<b>CONCENTRATION</b>	Ingredient percentages (concentrations) have been withheld as a trade secret.

### SECTION 4: FIRST AID MEASURES

<b>FIRST AID MEASURES</b>	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.
<b>SYMPTOMS/ DELAYED EFFECTS</b>	Not Applicable
<b>SPECIAL TREATMENT</b>	Not Applicable

### SECTION 5: FIRE FIGHTING MEASURES

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

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

### SECTION 7: HANDLING AND STORAGE

<b>SAFE HANDLING PRECAUTIONS</b>	Avoid contact with skin, eyes, and clothing. Do not breathe dust. Use adequate ventilation. Wash thoroughly after handling.
<b>SAFE STORAGE CONDITIONS</b>	Keep bags closed and store in a cool dry area for maximum stability.
<b>SHELF LIFE</b>	Use product within 2 years of manufacturing.

### SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

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

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE</b>	Whitish grey crystalline powder	<b>FLAMMABILITY LIMITS</b>	Not Applicable
<b>ODOR</b>	None	<b>VAPOR PRESSURE</b>	Not Applicable
<b>ODOR THRESHOLD</b>	Not Applicable	<b>VAPOR DENSITY</b>	Not Applicable
<b>pH</b>	Not Applicable	<b>RELATIVE DENSITY</b>	Not Applicable
<b>MELTING/ FREEZING POINT</b>	Not Applicable	<b>SOLUBILITY</b>	Soluble
<b>INITIAL BOILING POINT/ BOILING RANGE</b>	Not Applicable	<b>PARTITION COEFFICIENT: N-OCTANOL/ WATER</b>	Not Applicable
<b>FLASH POINT</b>	Not Applicable	<b>AUTO-IGNITION TEMP</b>	Not Applicable
<b>EVAPORATION RATE</b>	Not Applicable	<b>DECOMPOSITION TEMP</b>	Not Applicable
<b>FLAMMABILITY</b>	Not Applicable	<b>VISCOSITY</b>	Not Applicable

### SECTION 10: STABILITY AND REACTIVITY

<b>REACTIVITY</b>	Not Applicable
<b>CHEMICAL STABILITY</b>	Stable under normal conditions
<b>POSSIBILITY OF HAZARDOUS REACTIONS</b>	Polymerization will not occur
<b>CONDITIONS TO AVOID</b>	Premature contact with moisture may cause caking.
<b>INCOMPATIBLE MATERIALS</b>	Strong acids will degrade product.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Not Applicable

### SECTION 11: TOXICOLOGICAL INFORMATION

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

<b>DELAYED/ IMMEDIATE EFFECTS OF LONG/ SHORT EXPOSURE</b>	Information not available
<b>NUMERICAL MEASURES OF TOXICITY</b>	Information not available
<b>LISTED BY NTP/ IARC/ OSHA</b>	All bacterial and inert components in this product are recognized as safe.

### SECTION 12: ECOLOGICAL INFORMATION (NON-MANDATORY)

<b>ECOTOXICITY</b>	This product has no known Eco-toxicological effects.
<b>PERSISTENCE AND DEGRADABILITY</b>	Information not available
<b>BIOACCUMULATIVE POTENTIAL</b>	Significant accumulation in organisms is not to be expected.
<b>MOBILITY IN SOIL</b>	Information not available
<b>OTHER ADVERSE EFFECTS</b>	Information not available

### SECTION 13: DISPOSAL CONSIDERATIONS (NON-MANDATORY)

<b>TOXIC WASTE RESIDUE</b>	Not Applicable
<b>DISPOSAL OF CONTAMINATED PACKAGING</b>	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)

<b>UN NUMBER</b>	Not Applicable
<b>UN PROPER SHIPPING NAME</b>	Not Applicable
<b>TRANSPORT HAZARD CLASS</b>	Not Applicable
<b>PACKING GROUP</b>	Not Applicable
<b>ENVIRONMENTAL HAZARDS</b>	Not Applicable
<b>TRANSPORT IN BULK (ANNEX II OF MARPOL 73/78 &amp; IBC CODE)</b>	Not Applicable
<b>SPECIAL PRECAUTIONS</b>	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)

<b>REGULATIONS</b>	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.  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.
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### SECTION 16: OTHER INFORMATION

<b>PREPARATION DATE</b>	December 1, 2022
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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.