

# Safety Data Sheet

## SECTION 1: IDENTIFICATION

<b>PRODUCT NAME</b>	BaciFlex®-Calf
<b>RECOMMENDED USE</b>	Direct-fed microbial for calves
<b>MANUFACTURER</b>	Papillon Agricultural Company
<b>ADDRESS</b>	129 N. West Street, 2 <sup>nd</sup> Floor 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>	<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

<b>INGREDIENTS</b>	<p>Active ingredients- dried <i>Bacillus subtilis</i> fermentation product</p> <p>Inert carriers- sucrose, maltodextrin, and sodium silico aluminate.</p> <p>Contains a source of live (viable) naturally occurring microorganisms.</p>
<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**

**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** Whitish grey 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

<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.
<b>SECTION 12: ECOLOGICAL INFORMATION (NON-MANDATORY)</b>	
<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
<b>SECTION 13: DISPOSAL CONSIDERATIONS (NON-MANDATORY)</b>	
<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.
<b>SECTION 14: TRANSPORT INFORMATION (NON-MANDATORY)</b>	
<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.
<b>SECTION 15: REGULATORY INFORMATION (NON-MANDATORY)</b>	
<b>REGULATIONS</b>	<p>SARA/TITLE III - List of extremely hazardous substances for emergency planning and notification (40 CFR 300 &amp; 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>
<b>SECTION 16: OTHER INFORMATION</b>	
<b>PREPARATION DATE</b>	February 14, 2018