

## Section 1: Identification

<b>1.1 Product identifier</b>	SilagePro® Granular Inoculant as packaged in 50lb. Bags
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	
<i>Recommended use</i>	Granular Forage Additive for Silage
<i>Restrictions on use</i>	Not for human consumption
<b>1.3 Details of the supplier of the safety data sheet</b>	American Farm Products Inc. 1382 Industrial Drive Suite #4 Saline, MI 48176 <a href="mailto:info@afpltd.net">info@afpltd.net</a>
<b>1.4 Emergency telephone number</b>	734-484-4180

## Section 2: Hazard(s) Identification

<b>2.1 Classification of the substance or mixture</b>	Not applicable
<b>2.2 Label Elements</b>	
<i>Pictogram</i>	Not applicable
<i>Signal Word</i>	Not applicable
<i>Hazard statement(s)</i>	Product is not considered a hazardous substance according to OSHA 29 CFR 1910.1200.
<i>Precautionary statement(s)</i>	Not applicable
<b>2.3 Other hazards</b>	<b>Prevention:</b> Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep container tightly closed Wearing gloves, long sleeves, appropriate eye protection (goggles, foam seal safety glasses, etc.) and appropriate dust mask respirator are recommended to avoid dust irritation. Do not breathe dust. Use only outdoors or in a well-ventilated area.

## Section 3: Composition/Information on Ingredients

<b>3.1 Substances</b>	Not applicable
<b>3.2 Mixtures</b>	This product is a mixture of freeze dried microbial cultures with exact percentages withheld as a trade secret.
<b>Ingredient #1:</b> <b>Freeze Dried Cultures:</b> <i>Enterococcus faecium fermentation product dehydrated, Pediococcus pentosaceus fermentation product dehydrated, Pediococcus acidilactici fermentation product dehydrated, Lactobacillus plantarum fermentation product dehydrated</i> CAS number (and other unique identifiers) Impurities and stabilizing additives	Not applicable Not applicable
<b>Ingredient #2:</b> <b>Bacterial Amylase</b> CAS number (and other unique identifiers) Impurities and stabilizing additives	9000-90-2 Not applicable
<b>Ingredient #3:</b> <b>Amyloglucosidase</b> CAS number (and other unique identifiers) Impurities and stabilizing additives	9032-08-0 Not applicable
<b>Ingredient #4:</b> <b>Fungal Amylase</b> CAS number (and other unique identifiers) Impurities and stabilizing additives	9000-90-2 Not applicable
<b>Ingredient #5:</b> <b>Cellulase</b> CAS number (and other unique identifiers) Impurities and stabilizing additives	9012-54-8 Not applicable
<b>Ingredient #6:</b> <b>Sulfur</b> CAS number (and other unique identifiers) Impurities and stabilizing additives	7704-34-9 Not applicable
<b>Ingredient #7:</b> <b>Ferric Oxide</b> CAS number (and other unique identifiers) Impurities and stabilizing additives	1309-37-1 Not applicable
<b>Ingredient #8:</b> <b>Calcium Carbonate</b> Common name and synonyms CAS number (and other unique identifiers) Impurities and stabilizing additives	Limestone 1317-65-3 Not applicable
<b>Ingredient #9:</b> <b>Ascorbic Acid</b> CAS number (and other unique identifiers) Impurities and stabilizing additives	50-81-7 Not applicable
<b>Ingredient #10:</b> <b>Bentonite</b> CAS number (and other unique identifiers) Impurities and stabilizing additives	1302-78-9 Not applicable

## Section 4: First Aid Measures

<b>4.1 Description of first aid measures</b>	<p><b>Inhalation:</b> If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice if symptoms persist or develop.</p> <p><b>Skin contact:</b> In case of contact, immediately flush skin with plenty of water and soap if available. Seek medical advice if symptoms persist or develop.</p> <p><b>Eye contact:</b> Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical advice if symptoms persist or develop.</p> <p><b>Ingestion:</b> Do NOT induce vomiting unless directed to do so by medical personnel. Rinse mouth and throat thoroughly with water. Never give anything by mouth to an unconscious person. Seek medical advice if symptoms persist or develop.</p>
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	Not applicable
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	Not applicable

## Section 5: Firefighting Measures

<b>5.1 Extinguishing media</b>	Non-hazardous, use extinguishing agents suitable to surrounding fire.
<b>5.2 Special hazards arising from the substance or mixture</b>	Combustible dust at large concentration, follow appropriate procedures.
<b>5.3 Advice for firefighters</b>	None

## Section 6: Accidental Release Measures

<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	Avoid breathing dust and contact with the skin and eyes.
<b>6.2 Environmental precautions</b>	None
<b>6.3 Methods and material for containment and cleaning up</b>	Non-hazardous. Sweep up and shovel into suitable containers. Prevent dust cloud formation. Dispose of contents/containers to approved disposal site in accordance with local, regional, national, and/or international regulations. Following product recovery, flush area with water.
<b>6.4 Reference to other sections</b>	If appropriate, refer to sections 8 and 13.

## Section 7: Handling and Storage

<b>7.1 Precautions for safe handling</b>	Avoid generation of large concentration of dust near an ignition source.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	Hygroscopic, heat sensitive culture. Keep in original packaging, tightly closed in a safe place. Retain original product labeling. Store at 72° F or below in dry and clean environment.
<b>7.3 Specific end use(s)</b>	Granular Forage Additive for Silage.

## Section 8: Exposure Controls/Personal Protection

<b>8.1 Control parameters</b>	
<i>OSHA PELs</i>	Not applicable
<i>ACGIH TLVs</i>	Not applicable
<b>8.2 Exposure controls</b>	
<i>Engineering controls</i>	Adequate ventilation
<i>PPE</i>	<b>Eye protection:</b> Safety glasses or goggles are recommended to avoid dust irritation.  <b>Hand protection:</b> Gloves are recommended to prevent skin contact.  <b>Skin and body protection:</b> Long sleeves are recommended to prevent skin contact.  <b>Respiratory protection:</b> Appropriate dust mask is recommended to prevent dust inhalation. Avoid breathing dust.  <b>Work/ Hygiene practices:</b> Use good personal hygiene practices. Avoid repeated and/or prolonged skin exposure. Wash hands before eating, drinking, smoking, or using toilet facilities.

## Section 9: Physical and Chemical Properties

<b>9.1 Information on basic physical and chemical properties</b>	
<i>Appearance</i>	Free flowing granules. Reddish-brown powder
<i>Upper/lower flammability or explosive limits</i>	Not applicable
<i>Odor</i>	Yeast-like fermentation odor
<i>Vapor pressure</i>	Not applicable
<i>Odor threshold</i>	Not applicable
<i>Vapor density</i>	Not applicable
<i>pH</i>	Not available
<i>Relative density</i>	Not applicable
<i>Specific gravity</i>	Not applicable
<i>Melting point/freezing point</i>	Not applicable
<i>Solubility(ies)</i>	Not soluble
<i>Initial boiling point and boiling range</i>	Not applicable

<i>Flashpoint</i>	Not applicable
<i>Evaporation rate</i>	Not applicable
<i>Flammability (solid, gas)</i>	Not applicable
<i>Partition coefficient: n-octanol/water</i>	Not applicable
<i>Auto-ignition temperature</i>	Not applicable
<i>Decomposition temperature</i>	Not applicable
<i>Viscosity</i>	Not applicable
<i>Explosive properties</i>	Not applicable
<i>Oxidizing properties</i>	Not applicable
<b>9.2 Other information</b>	Not applicable

## Section 10: Stability and Reactivity

<b>10.1 Reactivity</b>	Not applicable
<b>10.2 Chemical stability</b>	Stable under normal conditions
<b>10.3 Possibility of hazardous reactions</b>	Not applicable
<b>10.4 Conditions to avoid</b>	Creating high concentration of dust.
<b>10.5 Incompatible materials</b>	Not applicable
<b>10.6 Hazardous decomposition products</b>	Not applicable

## Section 11: Toxicological Information

<b>11.1 Information on toxicological effects</b>	<p>According to Directive 2000/54/EC, product is classified in group 1 (unlikely to cause human disease).</p> <p><b>Effects of short-term exposure:</b> Repeated inhalation of powder may cause sensitization and may cause allergic type reactions in sensitized individuals.</p> <p><b>Effects of long-term exposure:</b> Repeated inhalation of powder may cause sensitization and may cause allergic type reactions in sensitized individuals.</p> <p><b>Irritancy:</b> Not available</p> <p><b>Sensitization:</b> Possible allergic sensitization (see Section 2)</p> <p><b>Allergy:</b> Not available</p> <p><b>Carcinogenicity:</b> Not available</p> <p><b>Reproductive toxicity:</b> Not available</p> <p><b>Teratogenicity:</b> Not available</p> <p><b>Mutagenicity:</b> Not available</p> <p><b>Toxicology synergistic products:</b> Not available</p>
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## Section 12: Ecological Information

<b>12.1 Toxicity</b>	Not available
<b>12.2 Persistence and degradability</b>	Not available
<b>12.3 Bioaccumulative potential</b>	Not available
<b>12.4 Mobility in soil</b>	Not available
<b>12.5 Results of PBT and vPvB assessment</b>	Not available
<b>12.6 Other adverse effects</b>	Adopt good working practices so that the product is not released into the environment. No ecological information is available. The substance is unlikely to have a significant effect on the environment.

### Section 13: Disposal Considerations

<b>13.1 Waste treatment methods</b>	Non-hazardous. Dispose of contents/containers to approved disposal site in accordance with local, regional, national, and/or international regulations.
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### Section 14: Transport Information

<b>14.1 UN number</b>	Not available
<b>14.2 UN proper shipping name</b>	Not available
<b>14.3 Transport hazard class(es)</b>	Not classified as dangerous in the meaning of transport regulations.
<b>14.4 Packing group</b>	Not available
<b>14.5 Environmental hazards</b>	Not available
<b>14.6 Special precautions for user</b>	Not available
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable

### Section 15: Regulatory Information

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	Not applicable
<b>15.2 Chemical safety assessment</b>	Not applicable

### Section 16: Other Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use processing, storage, transportation, disposal, and release is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Revision Date: October 27, 2020.