

SAFETY DATA SHEET

Section 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PureAg Biologic Army™
Agricultural Biological Insecticide

MANUFACTURER: PureAg®, LLC
4045 South West Temple
Salt Lake City, Utah 84107
www.pureagproducts.com
801-651-3201

DATE PREPARED: 12/20/18

Section 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification

Not a hazardous substance or mixture

Label Elements

GHS-US Labeling

Hazard Pictograms: None
Signal Word: Warning
Hazard Statements: None

Precautionary Statements:

Prevention:

Avoid breathing dust/mist-spray. Wash thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective clothing/eye protection/face protection.

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical advice/attention.

IF ON SKIN: Wash with soap and water. Take off contaminated clothing and wash it before reuse.

Other Hazards: None

Section 3 COMPOSITION INFORMATION

Name	CAS No.	Percentage	Classification (GHS-US)
Dextrose	50-99-7	≥ 99	Not Classified
Bacteria Cultures	none	≤ 1	Not Classified

Section 4 FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

Skin Contact: Rinse with soap and plenty of water.

Eye Contact: Flush eyes with water as a precaution.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water.

The most important known symptoms and effects are described in section 11.

Section 5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Use of inappropriate extinguisher for surrounding fire.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE/MIXTURE

Carbon oxides.

ADVICE FOR FIREFIGHTERS

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection see section 8.

ENVIRONMENTAL PRECAUTIONS

Avoid letting large quantities of product enter drains.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, and extremely high or low temperatures and incompatible materials.

Incompatible Products: Strong acids. Strong Bases. Strong oxidizers.

Section 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

Contains no substances with occupational exposure limit values.

EXPOSURE CONTROLS

Appropriate Engineering Controls: General industrial hygiene practices.

Personal Protective Equipment: Protective goggles, gloves, protective

Hand Protection: Wear protective cloth, latex, or nitrile gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing to keep dust off of skin.

Respiratory Protection: Respiratory protection is not required. Where protection from nuisance levels of dusts is desired, use type N95 (US) dust masks.

Section 9 PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL & CHEMICAL PROPERTIES

Physical State: Solid

Appearance: Fine Ivory Powder

Odor: Dusty

Odor Threshold: No Data Available

pH: No Data Available

Relative Evaporation

Rate (butyl acetate=1): No Data Available

Melting Point: No Data Available

Freezing Point: No Data Available

Boiling Point: No Data Available

Flash Point: No Data Available

Auto-Ignition Temperature: No Data Available

Decomposition Temperature: No Data Available

Flammability (solid, gas): No Data Available

Vapor Pressure: No Data Available

Relative Vapor Density at 20°C: No Data Available

Relative Density: No Data Available

Specific Gravity: No Data Available

Solubility: No Data Available

Partition Coefficient: n-octanol/water: No Data Available

Relative Density: No Data Available

OTHER INFORMATION

No additional information available.

**Section 10
STABILITY AND REACTIVITY**

Reactivity: Hazardous reactions will not occur under normal conditions.
Chemical Stability: Stable under recommended handling and storage conditions (see section 7).
Possibility of Hazardous Reactions: No data available.
Conditions to Avoid: Direct sunlight. Extremely high or low temperatures. Ignition sources. Incompatible materials.
Incompatible Materials: Strong acids. Strong bases. Strong oxidizers.
Hazardous Decomposition Products: No data available.

**Section 11
TOXICOLOGICAL INFORMATION**

INFORMATION ON TOXICOLOGICAL EFFECTS

Acute Toxicity: Not classified.

Proprietary	
LD50 Oral Rat	25,8000 mg/kg
Remarks	Behavioral: Coma. Cyanosis Diarrhea

Skin Corrosion/Irritation: Classification criteria not met.
Serious Eye Damage/Irritation: Classification criteria not met.
Respiratory or Skin Sensitization: Classification criteria not met.
Germ Cell Mutagenicity: Classification criteria not met.
Carcinogenicity: Classification criteria not met.
Reproductive Toxicity: Not Classified
Specific Target Organ Toxicity (Single Exposure): Classification criteria not met.
Specific Target Organ Toxicity (Repeated Exposure): Classification criteria not met.
Aspiration Hazard: Classification criteria not met.

POTENTIAL HEALTH EFFECTS

Ingestion: likely to cause diarrhea.

**Section 12
ECOLOGICAL INFORMATION**

TOXICITY

No additional information available.

PERSISTENCE AND DEGRADABILITY

No additional information available.

BIOACCUMULATIVE POTENTIAL

No additional information available.

MOBILITY IN SOIL

No additional information available.

RESULTS OF PBT AND vPvB

No PBT and vPvB assessment has been conducted.

OTHER ADVERSE EFFECTS

No studies have been found.

**Section 13
DISPOSAL CONSIDERATIONS**

WASTE TREATMENT METHODS

Waste/Packaging Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

**Section 14
TRANSPORT INFORMATION**

In Accordance with DOT: Not regulated for transport.
In Accordance with IMDG: Not regulated for transport.
In Accordance with IATA: Not regulated for transport.

**Section 15
REGULATORY INFORMATION**

US FEDERAL REGULATIONS

No SARA 302, 311/312, 313 chemicals

US STATE REGULATIONS

Pennsylvania Right to Know Components: Glucose, CAS-No. 50-99-7
New Jersey Right to Know components: Glucose, CAS-NO. 50-99-7

**Section 16
OTHER INFORMATION**

REVISION

7/20/18

Other Information:

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910-1200.