

SAFETY DATA SHEET

Section 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PureAg Simply Rootamendary™
MANUFACTURER: PureAg, LLC
 4045 South West Temple
 Salt Lake City, Utah 84115
 www.pureagproducts.com
 801-651-3201

DATE PREPARED: 03/25/19

Section 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification

Combustible Dust
 Eye Irritation: 2A H319

Label Elements

GHS-US Labeling

Hazard Pictograms: 

Signal Word: Warning

Hazard Statements: May form combustible dust concentrations in air.

H319 - Causes serious eye irritation
 H335 - May cause respiratory irritation
Precautionary Statements: P264 - Wash hands, forearms, and exposed areas thoroughly after handling
 P280 - Wear eye protection, protective clothing, protective gloves
 P305+P351+P338 - If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P337+P313 - If eye irritation persists: get medical advice/attention

Section 3 COMPOSITION INFORMATION

Substance

Not applicable

Mixture*

Name	Product Identifier	Percentage	Classification (GHS-US)
Proprietary**	Proprietary**	Proprietary**	Combustible Dust
Proprietary**	Proprietary**	Proprietary**	Eye Irritant 2A H319

*This product contains other ingredients; however, they are present below the reporting threshold as defined in the United States 29CFR 1910.1200 (OSHA)

**The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret in accordance with Paragraph 1910.1200 of Title 29 of the Code of Federal Regulations. Full text of H-phrases: see section 16

Section 4 FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show label if possible).

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 immediately with plenty of water. Obtain medical attention if irritation develops or persists.

Ingestion: Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, ACUTE & DELAYED

Symptoms/Injuries: Causes serious eye irritation.

Inhalation: May cause respiratory irritation.

Skin Contact: May cause skin irritation.

Eye Contact: Causes serious eye irritation.

Ingestion: Ingestion is likely to be harmful or have adverse effects.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL Treatment Needed

If you feel unwell, seek medical advice (show label where possible).

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

Fire Hazard: Combustible dust. Dust explosion hazard in air. Under conditions of fire this material may produce: Carbon dioxide (CO₂), Carbon monoxide.

Explosion Hazard: Avoid dust clouds in combination with static electricity. Dust clouds can be explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

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

General Measures: Avoid all contact with skin, eyes, or clothing. Avoid breathing dust.

FOR NON-EMERGENCY PERSONNEL

Protective Equipment: Use appropriate personal protection equipment
Emergency Procedures: Evacuate unnecessary personnel.

FOR EMERGENCY RESPONDERS

Protective Equipment: Equip cleanup crew with proper protection
Emergency Procedures: Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.

ENVIRONMENTAL PRECAUTIONS

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

For Containment: Contain and collect as any solid. Use explosion proof vacuum during clean up, with appropriate filter, do not mix with other materials. Use soft bristle brush or conductive rubber or conductive plastic shovel. Use caution, material is sensitive to initiation from sources such as heat, flame, shock, friction, or sparks.

Methods for Cleaning Up: Avoid generation of dust during clean up of spills, Vacuum must be fitted with a HEPA filter to prevent release of particulates during clean up.

Section 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Precautions for Safe Handling: Take precautionary measures against static discharge.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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, extremely high or low temperatures and incompatible materials.

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

Section 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

EXPOSURE CONTROLS

Appropriate Engineering Controls: Provide adequate ventilation to minimize dust concentrations. Ensure all national/local regulations are observed. Proper grounding procedures to avoid static electricity should be followed. Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal Protective Equipment: Protective goggles, gloves, protective clothing, dust mask.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Use a NIOSH approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Section 9 PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL & CHEMICAL PROPERTIES

Physical State: Solid

Appearance: Light Brown Powder

Odor: No Data Available

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: Hazardous polymerization will not occur.

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: Under fire conditions this material may produce hazardous carbon dioxide (CO₂), carbon monoxide (CO), various low molecular weight hydrocarbons and smoke.

Section 11 TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

Acute Toxicity: Not classified.

Proprietary	
LD50 Oral Rat	3 g/kg
LC50 Inhalation Rat (mg/l)	>42 g/m ³ (Exposure time: 1 h)

Skin Corrosion/Irritation: Not Classified

Serious Eye Damage/Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitization: Not Classified

Germ Cell Mutagenicity: Not Classified

Carcinogenicity: Not Classified

Reproductive Toxicity: Not Classified

Specific Target Organ Toxicity (Single Exposure): Not Classified

Specific Target Organ Toxicity (Repeated Exposure): Not Classified

Aspiration Hazard: Not Classified

Symptoms/Injuries After Inhalation: May cause respiratory irritation.

Symptoms/Injuries After Skin Contact: May cause skin irritation.

Symptoms/Injuries After Eye Contact: Causes serious eye irritation.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms:None expected under normal conditions of use.

Section 12 ECOLOGICAL INFORMATION

TOXICITY

Proprietary	
LC50 Fish 1	5560 (5560-6080) mg/l (Exposure time: 96 h Species: Lepomis macrochirus [flow-through])
EC50 Daphnia 1	1000 mg/l (Exposure time: 48 h Species: Daphnia magna)
LC 50 Fish 2	12946 mg/l (Exposure time: 96 h Species: Lepomis macrochirus [static])
EC50 Daphnia 2	340.7 (340.7-469.2) mg/l (Exposure time: 48 h Species: Daphnia magna [static])

PERSISTENCE AND DEGRADABILITY

No additional information available.

BIOACCUMULATIVE POTENTIAL

Proprietary	
BCF Fish 1	(no bioaccumulation)

MOBILITY IN SOIL

No additional information available.

Section 13 DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

Waste 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

Proprietary
Listed on the United States TSCA (Toxic Substances Control Act) Inventory
Proprietary
Listed on the United States TSCA (Toxic Substances Control Act) Inventory
Proprietary
Listed on the United States TSCA (Toxic Substances Control Act) Inventory

US STATE REGULATIONS

Proprietary
US - Texas - Effects Screening Levels - Long Term US - Texas - Effects Screening Levels - Short Term

**Section 16
OTHER INFORMATION**

REVISION

7/20/15

GHS Full Text Phrases

Combustible Dust	Combustible Dust
Eye Irritation 2A	Serious eye damage/eye irritation Category 2A
H232	May form combustible dust concentrations in air
H319	Causes serious eye irritation

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.