

SAFETY DATA SHEET

Bontera[®] SA-10

Soluble Powder

SECTION 1: IDENTIFICATION

Product Identifier

Product Name: BONTERA[®] SA-10 Powder

Product Description: Microbial Soil Enhancer (100% water-soluble powders)

Package Size: 1 Kg, 250g, 100g and 50g.

Manufacturer: Bontera BioAg, 400 Preston Rd, Suite 340, Plano, TX 75093 United States of America

Telephone General: Phone +1 469-626-8367

www.bontera.com

info@bontera.com

Emergency Phone: +1 (925) 550-0245

Recommended Use: Crop production

CAS No.: N/A

Molecular Weight: N/A

Chemical Formula: N/A

SECTION 2: HAZARD(S) IDENTIFICATION

United States (US): According to OSHA 29 CFR 1910.1200 HCS

Classification of the Substance or Mixture: No data available

Label Elements: CAUTION!

Hazard Statement: May cause eye irritation upon direct contact

Precautionary Statement: Keep away from heat and extended exposure to direct sun-light

Prevention: Avoid breathing dust, mist and or spray. Wash thoroughly after handling

Use protective gloves, protective clothing, dust mask and goggles

Response: If swallowed, rinse mouth thoroughly with water and gargle. Upon contact with skin and/ or eye, simply rinse with water. If skin irritation occurs, get medical advice/attention

Storage/Disposal: Store in cool, dry place away from direct sun light

Dispose content and or container in accordance with local, regional and international regulations

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances: Material does not meet the criteria of a substance

Active ingredients:

Ingredient	CAS No.	% (Weight)	LD50/LC50	Hazardous
Humic Acid (derived from leonardite)	N/A	18.97%	NDA	NO
Fulvic Acid (derived from Leonardite)	N/A	67.46%	NDA	NO
Humin & other insolubles	N/A	7.86%	NDA	NO
Blend of beneficial Soil Microbes	N/A	1.1%	NDA	NO

SAF-T-DATA(tm) Ratings (Provided here for your convenience):

Health Rating: 0 - None

Flammability Rating: 0 - None

Reactivity Rating: 0 - None

Contact Rating: 0 - None

Lab Protective Equip: GOGGLES; LAB COAT; PROPER GLOVES; DUST MASK

Storage Color Code: Green (General Storage)

Potential Health Effects:

There are no known side effects of this product.

Inhalation: None.

Ingestion: None.

Skin Contact: None

Eye Contact: None

SECTION 4: FIRST-AID MEASURES

Description of first aid measures

Inhalation: None

Ingestion: None.

Skin or Eye Contact: Wipe off excess material and flush with water

Note to Physician: This product is non toxic

SECTION 5: FIRE-FIGHTING MEASURES

Fire: Not considered to be a fire hazard.

Explosion: Not considered to be an explosion hazard.

Fire Extinguishing Media: CO₂, Foam, dry chemical and water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Wear appropriate personal protective equipment as specified in Section 8

Emergency Procedures: Ventilate area of leak or spill. Keep unnecessary and unprotected people away from area of spill.

Environmental Precautions: Product is not a hazard and can be safely discarded in sewer, waterway or in a field

Containment/Clean-Up Measures: Product is not a hazard. For powders, collect and reuse it. For liquid, in case of spill, douse with copious amounts of water.

SECTION 7: HANDLING AND STORAGE

Precaution for Safe Handling

Handling: Once powder is reconstituted in water, keep liquid in a tightly closed container.

Storage: Stored in a cool, dry, ventilated area away from direct sun-light.
Protect against physical damage.

Incompatible Materials: Keep away from heat, oxidizers, strong acids and anything that can impact viability of microbes such as chlorine, fungicides or harsh chemicals.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Airborne Exposure Limits: None

Ventilation System: Not Needed

Personal Respirators (NIOSH Approved): None. Use dust mask when reconstituting powder in water

Hand: Use protective gloves

Skin Protection: None

Body Protection: Wear apron, lab coat or protective clothing

Eye Protection: Use safety goggles

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Material Description: Powder concentrate to be reconstituted in a liquid form

Physical Form	Powder (to be reconstituted in water)	Boiling Point	100°C
Color/Appearance	Dark Brown	Melting Point	Data Lacking
Taste	Not relevant	Flammability	Non Flammable
Particulate Size	Not relevant	Flesh Point	Data Lacking
Odor	Earthy wet soil	Degradation	Biodegradable
Order Threshold	Data Lacking	Hazard Combustion Products	Data Lacking
pH	7.2 - 7.6 at application	Biochemical Oxygen Demand	Data Lacking
Conductivity	13.9 mS	Oxidizing Properties	Data Lacking
Solubility	100% water soluble	Chemical Stability	Stable under ambient conditions
Bulk Density	0.50 g/ml	Incompatibility with Other Substances	Data Lacking
Viscosity	Not relevant	Hazardous Polymerization	Will not occur

Specific Gravity	1.04	Hazardous Decomposition Products	None
Coefficient of water/oil distribution	Data Lacking	Significant Laboratory Data with Possible Relevance to Human Health Hazard Evaluation	Non Toxic
Volatility	Data Lacking		

SECTION 10: STABILITY AND REACTIVITY DATA

Stability: Stable under ordinary conditions of use and storage

Hazardous Decomposition Products: Data Lacking

Hazardous Polymerization: Will not occur

Incompatibilities: None

Conditions to Avoid: None

SECTION 11: ECOLOGICAL INFORMATION

Environmental Fate: None

Environmental Toxicity: None. Product is beneficial for the environment

SECTION 12: DISPOSAL CONSIDERATIONS

Dispose of container and unused contents in accordance with federal, state and local regulations

SECTION 13: TRANSPORT INFORMATION

Not regulated

IATA CLASSIFICATION

IATA Proper Shipping Name:

Identification number: Not applicable

IATA Hazard Class/Division:

Packaging Group: Not applicable

IATA Bulk Packaging Instructions: Not determined

IATA Shipping Notes: Not determined

SECTION 14: REGULATORY INFORMATION

BONTERA SA10: SARA 311/312:

Acute: No

Chronic: No

Fire: No

Pressure: No

Reactivity: No

SECTION 15: MANUFACTURER

Manufacturer: Bontera BioAg

5717 Legacy Drive, Ste 250
Plano, Texas, 75024, USA

Emergency Email:

Emergency Phone Number: +1 (925) 550-0245

Website: www.bontera.com

Updated and Reviewed: Updated and revised in September 2019

SECTION 16: OTHER INFORMATION

Label Precautions: Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. Avoid contact with eyes.

Label First Aid: If swallowed, give large quantities of water. If inhaled, remove to fresh air. In case of contact, wipe off excess material from skin then immediately flush



eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse

Notice: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no reasonability for any loss, damage, or expense, direct or consequential, arising out of their use.

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