



Azos®
Safety Data Sheet
Date of revision: January 2020

Section 1: Identification

Product Name: Xtreme Gardening Azos
Recommended Use: Soil amendment
Manufacturer Information: Reforestation Technologies International
5355 Monterey Frontage Rd.
Gilroy, CA 95020
(408) 848-9604

Section 2: Hazard(s) Identification

Hazard Class: None
Hazard Statements: None
Precautionary Statements: Exposure to high concentrations of dust may result in upper respiratory tract (nose and throat) irritation. An allergic reaction may occur in some individuals due to inhalation of or when in contact with this product. Per the Occupational Safety and Health Administration's (OSHA) indicated permissible exposure limit (PEL) for crystalline silica, a rate of 15 mg/m³ is acceptable for respirable dust.

Section 3: Composition / Information on Ingredients

Chemical Name: Powdered cellulose containing *Azospirillum brasilense*

Common Name: *Azospirillum* bacteria

Chemical Abstracts Services (CAS):

CAS#	Component
none	<i>Azospirillum brasilense</i>
none	Powdered cellulose

Section 4: First-Aid Measures

Inhalation: Move person to fresh air. If irritation persists, seek medical attention.
Skin Contact: Wash thoroughly with soap and water.
Eye Contact: Wash thoroughly with soap and water. Seek medical attention if irritation persists.

Ingestion: If swallowed and the person is conscious, give large amounts of water to drink and make person vomit. Seek medical attention.

Recommendations: For health emergencies, call your local poison control center. Provide general supportive measures and treat symptomatically.

Section 5: Fire-Fighting Measures

General Fire Hazards: Material will burn if involved in a fire. Like most organic powders, under severe dusting conditions, this material may form explosive mixtures in the air.

Extinguishing Equipment: Water, carbon dioxide, dry chemical or foam.

Hazardous Combustion: None

Special Protective Equipment: Wear full protective clothing and a National Institute for Occupational Safety and Health (NIOSH) approved self-contained, breathing apparatus. In the event of a fire, use agents appropriate to surrounding materials to extinguish fire. Evacuate downwind if large quantities are involved in fire.

Section 6: Accidental Release Measures

Emergency Procedures: Sweep up and scoop into container for reuse, recycle or disposal. Keep out of all waterways.

Cleanup Procedures: If product is contaminated, dispose of in an approved landfill disposal facility in accordance with applicable federal, state, provincial or local regulations.

Section 7: Handling and Storage

Safe Handling: Appropriate warehouse and production-handling practices should be followed to limit the amount of dust spread. Avoid sources of ignition. If product is pneumatically conveyed or pressurized in high concentration, devices to control static electricity are recommended. Always wear mask when handling.

Safe Storage: Product should be stored on pallets without contact to walls, ceilings or floor. Storage areas should be well ventilated and free of strong and objectionable odors. Avoid open flames and spark sources. Store in cool dry place.

Section 8: Exposure Controls / Personal Protection

Exposure Guidelines:

• General Product Information: No known conditions are generally aggravated by exposure when under proper usage conditions.

Personal Protective Equipment:

• Eyes/Face: Eye protection is recommended. Wearing contact lenses is not recommended in a dusty environment.

• Skin: None normally required.

• Respiratory: None normally required.

• General: Ventilation adequate to handle dust indigenous to operations.

Recommendations: Wear mask when handling.
Engineering Controls: Not applicable

Section 9: Physical and Chemical Properties

Appearance: 60 mesh particle size in powder form; white color.
Odor: No appreciable odor level
Odor Threshold: Not applicable
pH: Not applicable
Melting Point/Freezing Point: Not applicable
Flash Point: Not applicable
Evaporation Rate: Not applicable
Flammability (Solid Gas): Not applicable
Upper/Lower Flammability or Explosive Limits: Not applicable
Vapor Pressure: Not applicable
Relative Density: Not applicable
Solubility: Not water soluble
Auto-ignition Temperature: Not applicable
Decomposition Temperature: Not applicable
Viscosity: Not applicable

Section 10: Stability and Reactivity

Chemical Stability: Stable
Conditions to Avoid: None Hazardous
Polymerization: Will not occur

Section 11: Toxicological Information

Acute and Chronic Toxicity: No significant concern.
Carcinogenicity: No significant concern.

Section 12: Ecological Information (non-mandatory)

Ecotoxicity: Insignificant
Aquatic Toxicity: Insignificant

Section 13: Disposal Considerations (non-mandatory)

Recommendations on Disposal: If material is released or spilled, sweep up and scoop into container for reuse, recycling or disposal. Keep out of all waterways. Apply as soil amendment to field. If product is contaminated, dispose of in an approved landfill disposal facility in accordance with federal, state, provincial or local regulations.

Section 14: Transport Information (non-mandatory)

UN Number: Not applicable
UN Proper Shipping Name: Not applicable
Transport Hazard Class: Not applicable
Packing Group Number: Not applicable
Environmental Hazards: Not applicable
Guidance on Transport in Bulk: Not applicable
Special Precautions: None

Section 15: Regulatory Information (non-mandatory)

Not Applicable

Section 16: Other Information

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Notice Concerning This Safety Data Sheet:

The information contained herein is offered only as a guide to the handling of these specific materials. Since such information does not relate to use of the material with any other material or in any process, any person using this information must determine for himself its suitability for any particular application. The buyer and user assume all risk and liability of use, storage and/or handling of this product not in accordance with the terms of the product label.



Xtreme Gardening is a subsidiary of
Reforestation Technologies International
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Gilroy, CA 95020

For additional assistance, please contact the *Director of Operations* at
(408)848-9604