

Soil & Plant Solutions LLC

2434 West 280 South • Provo, Utah 84601



MATERIAL SAFETY DATA SHEET

PRODUCT: ATLANTIS

1. IDENTITY/DESCRIPTION

Identity: ATLANTIS
Manufacturer: Soil & Plant Solutions LLC
2434 West 280 South
Provo, UT 84601
Internet: www.soilplantsolutions.com
Emergency Phone Number: Tel: (608) 795-4266; (608) 628-2654
Date: 6/6/2020 Supersedes: 12/06/2019
Material Description: SOIL SURFACTANT

2. HAZARDS IDENTIFICATION

Hazard Classification: Hazardous to the aquatic environment, Acute Category 3

Signal Word: None.

Hazard Statements: H402 Harmful to aquatic life

Precautionary Statements: P273 Avoid release to the environment.
P501 Dispose of contents/container according to local regulations.

Other hazards which do not result in classification: None.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Alkylpolyglucoside Derivative	NA	45%
Water	7732-18-5	55%

4. FIRST AID MEASURES

Eye Contact: In case of contact, rinse with plenty of water with eyelids raised. Remove contact lenses if worn. If irritation persists, seek medical attention.

Skin Contact: Wash with plenty of water and soap.

Ingestion: Seek medical advice. Do not induce vomiting in order to avoid formation of foam, which can reach the respiratory tract and, if vomiting is necessary, give an antifoam (dimethicone).

Inhalation: Ventilate the premises, the patient is to be removed from the contaminated premises.

5. FIRE FIGHTING MEASURES

Extinguishing media:	Water mist, CO ₂ , foam, chemical powders, sand
Unsafe extinguishing media:	None
Special exposure hazards:	If involved in a fire the preparation/substance may release dangerous gases, Do not inhale the fumes.
Special protective equipment	Firefighters should wear protective clothing and use suitable breathing apparatus equipment.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Prevent soil contamination. Limit leakages with earth or sand. Ensure that the product does not escape into water courses or drainage systems. If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the appropriate authorities.
Clean-up methods:	Recover the product for re-use if possible, or for elimination. The product might, where appropriate, be absorbed by inert material. Wash hard surfaces with plenty of water.

7. HANDLING AND STORAGE

Handling:	No danger from handling packaged material. Avoid product contact with skin and eyes or inhalation of vapor or mist. Do not eat, drink, or smoke while handling.
Storage:	Store in airtight containers to prevent evaporation. Store between 10 and 40°C. Do not freeze. Store out of direct sunlight. Store separately from food, drink, or animal feed. Maintain adequate ventilation in working area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits	None established
Engineering controls:	Use in a well-ventilated area.
Respiratory protection:	Not required under normal conditions. Use approved respirator when there is high risk of vapors/spray or dust.
Eye protection:	Safety glasses with side shields or goggles
Skin and Body protection:	Light weight protective clothing and gloves
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Amber to Dark Liquid (20°C), Darkens with age
Odor:	Slight characteristic odor
Odor Threshold:	NA
Boiling point:	Approximately 100 °C
Melting Point/ Freezing Point:	NA
Evaporation Rate:	NA
Flammability:	NA
Flash point:	> 100°C
Specific Gravity (H ₂ O = 1):	1.08 g/ml
Solubility in Water:	Yes
Formulation:	Liquid

pH:	4.5 To 6.5
Vapor Pressure:	NA
Vapor Density:	NA
Relative Density:	NA
Partition Coefficient:	NA
Auto-Ignition Temperature:	NA
Decomposition Temperature:	NA
Viscosity:	NA
Explosive Properties:	NA
Oxidising Properties:	NA
Molecular Weight:	NA

10. STABILITY AND REACTIVITY

Stability:	Stable at ambient temperature in airtight closed container
Conditions to avoid:	Do Not Freeze
Materials to avoid:	None
Hazardous decomposition products:	None

11. TOXICOLOGICAL INFORMATION

Routes of exposure: Inhalation is not a significant route of exposure in occupational and other settings. Dermal exposure should be minimal with recommended personal protective equipment (see section 8). This product is not intended for ingestion.

Symptoms related to the physical, and chemical and toxicological characteristics: None anticipated.

Delayed and immediate effects as well as chronic effects from short and long-term exposure: None anticipated.

Acute health hazards (alkylpolyglucoside derivative):

- Oral LD₅₀: >5,000 mg/kg of body weight
- Dermal LD₅₀: No information found
- Inhalation LC₅₀ (rat): No information found
- Dermal irritation/corrosivity: Nonirritating, nonsensitizing.
- Eye irritation: Nonirritating
- Mutagenicity: Non mutagenic

Chronic health hazards: No chronic effects have been reported in the literature.

Reproductive effects: No reproductive effects were found in the literature.

Carcinogenicity: Not listed as a carcinogen by IARC, NTP, OSHA, or EPA.

12. ECOLOGICAL INFORMATION

Biodegradability:	Readily biodegradable.
Aquatic toxicity:	Daphnia magna EC ₅₀ (48-hr)= 10-100 mg/L
Phytotoxicity:	No information found.
Persistence and degradability:	No information found.

Mobility in soil: No information found.

Use according to criteria of good industrial practice, avoid product dispersion in the environment

13. DISPOSAL CONSIDERATIONS

Disposal: Dispose in accordance with local, state and national regulations. Under the Resource Conservation and Recovery Act (RCRA, 40 CFR 261). If possible recover the product, otherwise dispose of in authorized landfill or incinerate in accordance with local regulations.

14. TRANSPORTATION INFORMATION

DOT:	Not Regulated
IMDG:	Not Regulated
ADR:	Not Regulated
IATA:	Not Regulated

15. OTHER INFORMATION

The information contained in this Safety Sheet is to the best of Soil & Plant Solution's (SPS's) knowledge, as of the date indicated, believed to be accurate and reliable. However, no representation, warranty or guarantee is implied or expressed regarding the accuracy, reliability or completeness of this information of the use of the product. Nothing contained herein should be construed as a recommendation to use the product in conflict with national or local regulations or existing patents covering any material or its use.