

SBM LIFE SCIENCE CORP
Safety Data Sheet



**BIOADVANCED SCIENCE-BASED
SOLUTIONS LAWN ROOT MOISTURIZER
READY-TO-SPRAY**

Version 1.0 /USA
HYD77-ESP

1/8
Revision Date: 06/10/2019

1. Identification

Product Identifier

Trade name: BIOADVANCED SCIENCE-BASED SOLUTIONS LAWN ROOT
MOISTURIZER READY-TO-SPRAY

EPA Reg. Number: Not A Registered Product
SDS Number: HYD77-ESP

Details of the supplier of the safety data sheet

Supplier:

SBM Life Science Corp.
1001 Winstead Dr, Ste 500
Cary, NC 27513
United States

Emergency Telephone Number: 1-800-587-2654
Product Information Telephone Number: 1-800-331-2867
SDS Information or Request: SDS@corp.sbm-Company.com

2. Hazard Identification

Signal Word: None

Hazard Statements:

H316 Causes mild skin irritation
H317 May cause an allergic skin reactions
H320 Causes eye irritation

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Classification in accordance with regulation HCS 29CFR §1910.1200

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

Other hazards

No particular hazards known.

Pictograms:



Precautionary Statements (Prevention):

P102	Keep out of reach of children
P103	Read label before use
P262	Do not get in eyes, on skin, or on clothing
P280	Wear protective gloves / protective clothing / eye / face protection
P281	Use PPE as required

Precautionary Statements (Response):

P101	If medical advice is needed, have product container or label at hand
P533	If on skin (or hair): Wash with plenty of soap and water. Rinse skin with water / shower

Notes:

Skin absorption is the primary route of entry. Prolonged contact may produce irritation and itching. Some persons may have allergic reactions if sensitive to plant extracts; no known instances. The product contains a humectant and is only slightly irritating to the eyes. May cause some irritation, reddening, and /or tearing.

3. Composition/information on ingredients

Chemical characterization: Semi Opaque Brown Liquid

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A proprietary blend of humectants and hydroscopic compounds

Ingredients

Components	<u>% w/w</u>
Sugar alcohols, Polysaccharrides, Neutral Salts of Alpha-Hydroxypropionic Acid	54%
Non-Ionic Surfactant	10%

4. First-Aid Measure

Description of first aid measures

Inhalation: If Breathing is difficult, move victim to fresh air and keep at rest in a position comfortable for breathing

Skin: Wash skin with soap and water. Take off contaminated clothing and wash before reuse.

Eye: 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.

Ingestion: for small quantities give large amounts of water or milk; induce vomiting. If large amounts are ingested, seek medical attention.

Most important symptoms and effects, both acute and delayed

No further relevant information available

Indication of any immediate medical attention and special treatment needed.

Note to Medical Response Personnel: Lavage is indicated for ingestion.

5. Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media: Regular foam, Alcohol foam, carbon dioxide, dry chemical, water.

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Special hazards arising from the substance or mixture: No further relevant information available.

Advice for firefighters

Protective equipment: No special measures required.

Special Fire Fighting Procedures: Liquid material does not burn. Dry material may burn. There are no special firefighting procedures. Cool sealed containers to reduce risk of rupture due to excessive heat.

Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide.

6. Accidental Release Measures

Personal precautions: This material will be slippery on hard surfaces. Impound with absorbent materials or sand and collect for disposal, or dilute with 10 to 20 volumes of water and recover as usable material

7. Handling and Storage

Precautions for safe handling

Handling: Use caution when opening sealed containers

Conditions for safe storage, including any incompatibilities

Storage: Store in cool, shaded area. Do not freeze. Rinse and dry containers thoroughly before recycling or disposal.

Incompatible Materials: None known

Notes: This material is biodegradable, and is not considered hazardous. Dispose of in accordance with all local, stat, and federal regulations.

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8. Exposure Controls/Personal Protection

Control Parameters

Components with limited values that require monitoring at the workplace: Not required.

Exposure controls

Personal Protective Equipment

Respiratory: Not normally needed due to no TLV associated with this product. Use a nuisance chemical or dust mask if working in spray mist.

Eye/Face: Splash proof goggles are recommended while pouring and handling the material to prevent eye contact from splash.

Hands: Wear rubber gloves

Skin/Body: Where extensive dermal exposure may be expected, either plastic or rubberized clothing and protective anti-skid boots should be worn.

General Industrial Hygiene Considerations: Wash hands before eating, smoking, or using the restroom.

Environmental Exposure Controls: None

9. Physical and Chemical Properties

Appearance: Dark Brown, Semi-opaque, viscous liquid

Odor: Somewhat sweet, earthy

pH: 4.5 to 6.5

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Boiling Point: 240 F (115.5 C)

Melting Point: Less than 10 F (Less than -12.2 C)

Flash Point: Non combustible

Flammability: Product is not flammable

Decomposition Temperature: Not determined

Heat of Decomposition: Not determined

Danger of Explosion: Product does not present an explosion hazard

Upper explosion limits: Not determined

Lower explosion limits: Not determined

Vapor Pressure: Not applicable

Vapor Density: (Air = 1) Greater than 1

Evaporation Rate: slower than ether

Specific Gravity @ 23.3°C (74°F): 1.2

Water Solubility: Soluble

Partition coefficient (n-octanol/water): Not determined

Viscosity: Not determined

10. Stability and Reactivity

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical Stability: Stable under normal temperatures and pressures.

Possibility of Hazardous Reactions: No dangerous reactions known.

Conditions to avoid: Exposure to excessive heat.

Incompatible Materials: Strong oxidizers such as dry bleach

Hazardous Decomposition Products: CO₂, CO

11. Toxicological Information

This product is manufactured from non-toxic ingredients. No known toxic effects beyond that herein stated (reversible skin irritation, etc.)

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12. Ecological Information

This product biodegrades in approximately 90 days, depending on microbial content of soil. No known potential for bioaccumulation or ecotoxicity.

13. Disposal Considerations

Waste Treatment Methods

Product Waste: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging Waste: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

14. Transport Information

DOT Classification: Not regulated by US DOT Highway regulations.

U.S. Surface Freight Classification: Non-hazardous, Not a DOT controlled material.

UN Number: Non-Hazardous. Not regulated.

IMDG Class (sea): Non-Hazardous. Not regulated.

IATA Class (air): Non-Hazardous. Not regulated.

Marine Pollutant: No.

Packing Group: Not regulated.

Hazard Label(s): Non-Hazardous. Not regulated.

ADR Class (road): Not regulated.

Proper Shipping Name(s): Not regulated.

Reportable Quantity: None

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15. Regulatory Information

Safety, Health, and Environmental Regulations/Legislation Specific for the Substance or Mixture

EPA Reg. Number: Not a Registered Product

SARA: Not applicable

Section 313 (Specific Toxic Chemical Listings): Substance is not listed.

TSCA (Toxic Substance Control Act): Substance is not listed.

Proposition 65 : Not Listed

Chemicals Known to Cause Cancer: Substance is not listed.

Chemicals Known to Cause Reproductive Toxicity for Females: Substance is not listed.

Chemicals Known to Cause Reproductive Toxicity for Males: Substance is not listed.

Chemicals Known to Cause Developmental Toxicity: Substance is not listed.

National Regulations: Substance is not listed.

State Right to Know: Substance is not listed.

16. Other Information

Date of Previous Revision: N/A - New Issue

Preparation Date: 6/10/2019

Disclaimer/Statement of Liability: The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1. The product names are trademarks of SBM Life Science Corp.