

**BIOADVANCED SCIENCE-BASED
SOLUTIONS ORGANICS BRAND MOSS &
ALGAE KILLER FOR DRIVEWAYS, PATIOS,
SIDEWALKS & WALKWAYS READY-TO-USE**

Version 1.0 / USA
102000022780

1/9

Revision Date: 03/11/2022

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE
COMPANY/UNDERTAKING**

Product identifier BIOADVANCED SCIENCE-BASED SOLUTIONS ORGANICS BRAND MOSS
& ALGAE KILLER FOR DRIVEWAYS, PATIOS, SIDEWALKS & WALKWAYS
Trade name
Product code READY-TO-USE
SDS Number 102000022780
EPA Registration No: 67702-7-92564
Relevant identified uses of the substance or mixture and uses advised against
Restrictions on use See product label for restrictions.

Information on manufacturer SBM Life Science Corp.
1001 Winstead Dr, Ste500
Cary, NC 27513 27709
United States

**Emergency Telephone
Number (24hr/ 7 days)** 1-877-229-3763
**Product Information
Telephone Number** 1-877-229-3724
SDS Information or Request SDS@sbm-company.com

SECTION 2: HAZARDS IDENTIFICATION

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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component Name	CAS-No.	Concentration % by weight
Ammonium salts of fatty acids	84776-33-0	3.68
Propan-2-ol	67-63-0	2.0

**BIOADVANCED SCIENCE-BASED
SOLUTIONS ORGANICS BRAND MOSS &
ALGAE KILLER FOR DRIVEWAYS, PATIOS,
SIDEWALKS & WALKWAYS READY-TO-USE**

Version 1.0 / USA
102000022780

2/9

Revision Date: 03/11/2022

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General advice	When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.
Inhalation	Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center immediately.
Skin contact	Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately.
Eye contact	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately.
Ingestion	Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended.

Most important symptoms and effects, both acute and delayed

Symptoms No symptoms known or expected.

Indication of any immediate medical attention and special treatment needed

Treatment Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. There is no specific antidote.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Suitable Water, Carbon dioxide (CO₂), Foam

Unsuitable None known.

Advice for firefighters

Special protective equipment for fire-fighters Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

Further information Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

Flash point >200 C

Autoignition temperature no data available

**BIOADVANCED SCIENCE-BASED
SOLUTIONS ORGANICS BRAND MOSS &
ALGAE KILLER FOR DRIVEWAYS, PATIOS,
SIDEWALKS & WALKWAYS READY-TO-USE**

Version 1.0 / USA
102000022780

3/9

Revision Date: 03/11/2022

Lower explosion limit	no data available
Upper explosion limit	no data available
Explosivity	not applicable

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Precautions Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.

Methods and materials for containment and cleaning up

Methods for cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.

Additional advice Use personal protective equipment. Material can create slippery conditions. Do not allow to enter soil, waterways or waste water canal.

Reference to other sections Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Ensure adequate ventilation. Handle and open container in a manner as to prevent spillage.

Hygiene measures Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.
Remove Personal Protective Equipment (PPE) immediately after handling this product. Before removing gloves clean them with soap and water. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.

Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers Keep containers tightly closed in a dry, cool and well-ventilated place.

**BIOADVANCED SCIENCE-BASED
SOLUTIONS ORGANICS BRAND MOSS &
ALGAE KILLER FOR DRIVEWAYS, PATIOS,
SIDEWALKS & WALKWAYS READY-TO-USE**

Version 1.0 / USA
102000022780

4/9

Revision Date: 03/11/2022

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components	CAS-No.	Control parameters	Update	Basis
Propan-2-ol	67-63-0	400 ppm (STEL)	02 2012	ACGIH
Propan-2-ol	67-63-0	200 ppm (TWA)	02 2012	ACGIH
Propan-2-ol	67-63-0	1,225 mg/m3/500 ppm (STEL)	2010	NIOSH
Propan-2-ol	67-63-0	980 mg/m3/400 ppm (REL)	2010	NIOSH
Propan-2-ol	67-63-0	980 mg/m3/400 ppm (PEL)	02 2006	OSHA Z1
Propan-2-ol	67-63-0	1,225 mg/m3/500 ppm (STEL)	1989	OSHA Z1A
Propan-2-ol	67-63-0	980 mg/m3/400 ppm (TWA)	1989	OSHA Z1A
Propan-2-ol	67-63-0	980 mg/m3/400 ppm (TWA)	06 2008	TN OEL
Propan-2-ol	67-63-0	1,225 mg/m3/500 ppm (STEL)	06 2008	TN OEL
Propan-2-ol	67-63-0	200ppb (AN ESL)	07 2011	TX ESL
Propan-2-ol	67-63-0	2000ppb (ST ESL)	07 2011	TX ESL
Propan-2-ol	67-63-0	4920ug/m3 (ST ESL)	07 2011	TX ESL
Propan-2-ol	67-63-0	492ug/m3 (AN ESL)	07 2011	TX ESL
Propan-2-ol	67-63-0	1,225 mg/m3/500 ppm (STEL)	08 2010	US CA OEL
Propan-2-ol	67-63-0	980 mg/m3/400 ppm (TWA PEL)	08 2010	US CA OEL

Exposure controls

Personal protective equipment

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

Respiratory protection

When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.

**BIOADVANCED SCIENCE-BASED
SOLUTIONS ORGANICS BRAND MOSS &
ALGAE KILLER FOR DRIVEWAYS, PATIOS,
SIDEWALKS & WALKWAYS READY-TO-USE**

Version 1.0 / USA
102000022780

5/9

Revision Date: 03/11/2022

Hand protection	Chemical resistant nitrile rubber gloves
Eye protection	Tightly fitting safety goggles
Skin and body protection	Wear long-sleeved shirt and long pants and shoes plus socks.
General protective measures	Remove contaminated clothing immediately and dispose of safely. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water. Keep and wash PPE separately from other laundry.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	colourless
Physical State	Liquid
Odor	soapy ammoniacal
Odour Threshold	no data available
pH	7.75 - 7.95
Vapor Pressure	no data available
Vapor Density (Air = 1)	no data available
Density	ca. 0.99 g/cm ³
Evaporation rate	no data available
Boiling Point	no data available
Melting / Freezing Point	no data available
Water solubility	miscible in all proportions
Minimum Ignition Energy	no data available
Decomposition temperature	not applicable
Partition coefficient: n-octanol/water	no data available
Viscosity	1.2 cPs
Flash point	> 200 C
Autoignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Explosivity	not applicable

**BIOADVANCED SCIENCE-BASED
SOLUTIONS ORGANICS BRAND MOSS &
ALGAE KILLER FOR DRIVEWAYS, PATIOS,
SIDEWALKS & WALKWAYS READY-TO-USE**

Version 1.0 / USA
102000022780

6/9

Revision Date: 03/11/2022

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Thermal decomposition not applicable

Chemical stability Stable under recommended storage conditions.

Possibility of hazardous reactions No hazardous reactions when stored and handled according to prescribed instructions.

Conditions to avoid Elevated temperatures

Incompatible materials no data available

Hazardous decomposition products No decomposition products expected under normal conditions of use.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes Eye contact, Skin contact, Inhalation, Ingestion

Immediate Effects
Eye Moderate eye irritation.

Inhalation Harmful if inhaled.

Information on toxicological effects

Acute oral toxicity LD50 > 5,000 mg/kg

Acute dermal toxicity LD50 > 5,000 mg/kg

ACGIH

Propan-2-ol 67-63-0 Group A4

NTP

None.

IARC

Propan-2-ol 67-63-0 Overall evaluation: 3

OSHA

None.

**BIOADVANCED SCIENCE-BASED
SOLUTIONS ORGANICS BRAND MOSS &
ALGAE KILLER FOR DRIVEWAYS, PATIOS,
SIDEWALKS & WALKWAYS READY-TO-USE**

Version 1.0 / USA
102000022780

7/9

Revision Date: 03/11/2022

SECTION 12: ECOLOGICAL INFORMATION

Environmental precautions Do not allow to get into surface water, drains and ground water.
Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water.
Apply this product as specified on the label.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Product It is best to use all of the product in accordance with label directions. If it is necessary to dispose of unused product, please follow container label instructions and applicable local guidelines.
Never place unused product down any indoor or outdoor drain.

Contaminated packaging Consult state and local regulations regarding the proper disposal of container.
Follow advice on product label and/or leaflet.

RCRA Information Characterization and proper disposal of this material as a special or hazardous waste is dependent upon Federal, State and local laws and are the user's responsibility. RCRA classification may apply.
When and if this material is determined to be a waste, if discarded, this material may carry RCRA waste code(s) **NON-RCRA**.
State and local laws may vary and must be considered.

SECTION 14: TRANSPORT INFORMATION

According to national and international transport regulations this material is not classified as dangerous goods / hazardous material.

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

TSCA list

Propan-2-ol 67-63-0

US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)

None.

SARA Title III - Section 302 - Notification and Information

None.

SARA Title III - Section 313 - Toxic Chemical Release Reporting

None.

US States Regulatory Reporting

CA Prop65

**BIOADVANCED SCIENCE-BASED
SOLUTIONS ORGANICS BRAND MOSS &
ALGAE KILLER FOR DRIVEWAYS, PATIOS,
SIDEWALKS & WALKWAYS READY-TO-USE**

Version 1.0 / USA
102000022780

8/9

Revision Date: 03/11/2022

This product does not contain any substances known to the State of California to cause cancer.

This product does not contain any substances known to the State of California to cause reproductive harm.

US State Right-To-Know Ingredients

Propan-2-ol 67-63-0 CA, CT, MN, NJ, RI

Canadian Regulations

Canadian Domestic Substance List

Propan-2-ol 67-63-0

Environmental

CERCLA

None.

Clean Water Section 307 Priority Pollutants

None.

Safe Drinking Water Act Maximum Contaminant Levels

None.

International Regulations

European Inventory of Existing Commercial Substances (EINECS)

Propan-2-ol 67-63-0

EPA/FIFRA Information:

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information required on the pesticide label:

Signal word: Caution!

Hazard statements: Moderate eye irritation.
Harmful if inhaled.
Avoid contact with skin, eyes and clothing.
Avoid inhalation of vapour or mist.
Wash thoroughly with soap and water after handling.

SECTION 16: OTHER INFORMATION

NFPA 704 (National Fire Protection Association):

Health - 1 Flammability - 0 Instability - 0 Others - none

HMIS (Hazardous Materials Identification System, based on the Third Edition Ratings Guide)

Health - 1 Flammability - 0 Physical Hazard - 0 PPE -

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard



**BIOADVANCED SCIENCE-BASED
SOLUTIONS ORGANICS BRAND MOSS &
ALGAE KILLER FOR DRIVEWAYS, PATIOS,
SIDEWALKS & WALKWAYS READY-TO-USE**

Version 1.0 / USA
102000022780

9/9

Revision Date: 03/11/2022

Reason for Revision: New Issue

Date of Previous Revision: Not Applicable

This information is provided in good faith but without express or implied warranty. The customer assumes all responsibility for safety and use not in accordance with label instructions. The product names are trademarks of SBM Life Science Corp.