# BIOADVANCED SCIENCE-BASED SOLUTIONS MOSS & ALGAE KILLER & CLEANER READY-TO-SPRAY



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

**Product identifier**

| | |
|---|---|
| Trade name | BioAdvanced Science-Based Solutions Moss & Algae Killer & Cleaner Ready- To- Spray |
| Product code | |
| SDS Number | 102000011865 |
| EPA Registration No. | 67702-12-92564 |

**Relevant identified uses of the substance or mixture and uses advised against**

| | |
|---|---|
| Use | Algicide, Moss killer |
| Restrictions on use | See product label for restrictions. |

**Information on manufacturer**

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

**Emergency telephone no.**

| | |
|---|---|
| Emergencies, 24hr/ 7 days | 1-877-229-3763 |
| **Product Information Telephone No.** | 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 other hazards known.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Component Name | CAS-No. | Average % by Weight |
|---|---|---|
| Fatty acids, C8-18 and C18-unsatd., potassium salts | 67701-09-1 | 22.11 |

## 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** — To date no symptoms are known.

### 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** — Carbon dioxide (CO2), Foam, Water

### 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** — no data available

| | |
|---|---|
| **Autoignition temperature** | no data available |
| **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**

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

**Methods and materials for containment and cleaning up**

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|---|---|
| **Methods for cleaning up** | Dike area to prevent runoff. 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. Do not allow to enter soil, waterways or waste water canal.<br>Material can create slippery conditions. |
| **Reference to other sections** | Information regarding safe handling, see section 7.<br>Information regarding personal protective equipment, see section 8.<br>Information regarding waste disposal, see section 13. |

## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling**

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|---|---|
| **Advice on safe handling** | Use only in area provided with appropriate exhaust ventilation. |
| **Advice on protection against fire and explosion** | Keep away from heat and sources of ignition. |
| **Hygiene measures** | Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.<br>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**

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|---|---|
| **Requirements for storage areas and containers** | Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container and out of the reach of children, preferably in a locked storage area. Protect from freezing. |
| **Advice on common storage** | Keep away from food, drink and animal feedingstuffs. |

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

No control parameters known.

**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. |
| **Hand protection** | Chemical resistant nitrile rubber gloves |
| **Eye protection** | Safety glasses |
| **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.<br><br>Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water.<br>Keep and wash PPE separately from other laundry. |

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Appearance** | colourless to light yellow |
| **Physical State** | liquid, clear |
| **Odor** | odourless |
| **Odour Threshold** | no data available |

| | |
|---|---|
| **pH** | 9.8 - 10.3 (100 %) |
| **Vapor Pressure** | no data available |
| **Vapor Density (Air = 1)** | no data available |
| **Density** | ca. 1.03 g/cm³ at 20 °C |
| **Evapouration rate** | no data available |
| **Boiling Point** | no data available |
| **Melting / Freezing Point** | no data available |
| **Water solubility** | miscible |
| **Minimum Ignition Energy** | not applicable |
| **Decomposition temperature** | not applicable |
| **Partition coefficient: n-octanol/water** | no data available |
| **Viscosity** | no data available |
| **Flash point** | no data available |
| **Autoignition temperature** | no data available |
| **Lower explosion limit** | no data available |
| **Upper explosion limit** | no data available |
| **Explosivity** | not applicable |

## SECTION 10: STABILITY AND REACTIVITY

| | |
|---|---|
| **Reactivity** | |
| **Thermal decomposition** | not applicable |
| **Chemical stability** | Stable under recommended storage conditions. |
| **Possibility of hazardous reactions** | No hazardous reactions known. |

| | |
|---|---|
| **Conditions to avoid** | Extremes of temperature and direct sunlight.<br>freezing |
| **Incompatible materials** | no data available |
| **Hazardous decomposition products** | Carbon dioxide (CO2)<br>Carbon monoxide<br>Nitrogen oxides (NOx) |

## SECTION 11: TOXICOLOGICAL INFORMATION

| | |
|---|---|
| **Exposure routes** | Eye contact, Ingestion, Skin contact, Inhalation |
| **Immediate Effects** | |
| **Eye** | Causes substantial but temporary eye injury. Causes eye irritation. |
| **Skin** | Causes skin irritation. |
| **Ingestion** | May cause irritation. May cause nausea, vomiting, abdominal pain. |

**Information on toxicological effects**

| | |
|---|---|
| **Acute oral toxicity** | LD50 > 5,000 mg/kg |
| **Acute dermal toxicity** | LD50 > 5,000 mg/kg |

**ACGIH**
None.

**NTP**
None.

**IARC**
None.

**OSHA**
None.

**Further information**
No further toxicological information is available.

## SECTION 12: ECOLOGICAL INFORMATION

| | |
|---|---|
| **Environmental precautions** | Do not allow to get into surface water, drains and ground water.<br>Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water.<br>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.<br>If it is necessary to dispose of unused product, please follow container label instructions and applicable local guidelines.<br>Never place unused product down any indoor or outdoor drain. |
| **Contaminated packaging** | Do not re-use empty containers.<br>Place empty container in trash.<br>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. |

## SECTION 14: TRANSPORT INFORMATION

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

Freight Classification: INSECTICIDES OR FUNGICIDES, N.O.I., OTHER THAN POISON

## SECTION 15: REGULATORY INFORMATION

**EPA Registration No.** 67702-12-92564

**US Federal Regulations**

**TSCA list**

Fatty acids, C8-18 and C18-unsatd., potassium salts 67701-09-1

**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**

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**

None.

**Canadian Regulations**

**Canadian Domestic Substance List**

| | |
|---|---|
| Fatty acids, C8-18 and C18-unsatd., potassium salts | 67701-09-1 |

**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)**

| | |
|---|---|
| Fatty acids, C8-18 and C18-unsatd., potassium salts | 67701-09-1 |

**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:** | Warning! |
| **Hazard statements:** | Hazard to humans and domestic animals.<br>Causes substantial but temporary eye injury.<br>Causes skin irritation.<br>Do not get in eyes, on skin, or on clothing.<br>Wash thoroughly with soap and water after handling.<br>Avoid breathing spray mist. |

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**SECTION 16: OTHER INFORMATION**

Health - 2 Flammability - 0 Instability - 0 Others - none

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

Health - 2 Flammability - 0 Physical Hazard - 0 PPE -

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

NFPA 704 (National Fire Protection Association):

Reason for Revision: Update emergency contact and product information number

Date of Previous Revision: 07/01/2017

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.