

**BIOADVANCED SCIENCE-BASED
SOLUTIONS WEED & GRASS
KILLER READY-TO-USE**

Version 1.0 / USA

1/7
Revision Date: 09/15/2020

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

Product identifier

Trade name BIOADVANCED SCIENCE-BASED SOLUTIONS WEED
& GRASS KILLER READY-TO-USE

Product code

SDS Number 42750-383

EPA Registration No. 42750-383-92564

Relevant identified uses of the substance or mixture and uses advised

against Use Non-Selective Herbicide

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
Number (24hr/ 7 days)** 1-877-229-3763 (24 hours/day)

**Product Information
Telephone Number** 1-877-229-3724

SDS Information or Request SDS@sbm-Company.com

SECTION 2: HAZARDS IDENTIFICATION

Classification

Reproductive Toxicity Category 1B
Hazards not otherwise classified (HNOC)
Not applicable

SIGNAL WORD: Danger

HAZARD STATEMENTS:

- may damage fertility or the unborn child

PICTOGRAM:



**BIOADVANCED SCIENCE-BASED
SOLUTIONS WEED & GRASS
KILLER READY-TO-USE**

Version 1.0 / USA

2/7
Revision Date: 09/15/2020

PRECAUTIONARY STATEMENTS - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection

PRECAUTIONARY STATEMENTS- Response

IF exposed or concerned: Get medical advice/attention

PRECAUTIONARY STATEMENTS - Storage

Store locked up

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical name	CAS No	Weight-%	Trade secret
Propylene glycol monomethyl ether	107-98-2	0.5 - 1.5	*
Glufosinate-Ammonium	77182-82-2	0.4-0,6	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

Description of first aid measures

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General advice	Show this safety data sheet to the doctor in attendance.
Inhalation	Remove to fresh air.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash skin with soap and water.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

**BIOADVANCED SCIENCE-BASED
SOLUTIONS WEED & GRASS
KILLER READY-TO-USE**

Version 1.0 / USA

3/7
Revision Date: 09/15/2020

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.
Specific hazards arising from the chemical	No information available.
Explosion data	
Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial and safety practice. Avoid breathing vapors or mists. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Store in original container and out of the reach of children, preferably in a locked storage area. Keep containers tightly closed in a dry, cool and well-ventilated place.

**BIOADVANCED SCIENCE-BASED
SOLUTIONS WEED & GRASS
KILLER READY-TO-USE**

Version 1.0 / USA

4/7
Revision Date: 09/15/2020

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Propylene glycol monomethyl ether 107-98-2	STEL: 100 ppm TWA: 50 ppm	(vacated) TWA: 100 ppm (vacated) TWA: 360 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 540 mg/m ³	TWA: 100 ppm TWA: 360 mg/m ³ STEL: 150 ppm STEL: 540 mg/m ³

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

Appropriate engineering controls

Engineering controls Showers
 Eyewash stations
 Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection No special protective equipment required.

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

**BIOADVANCED SCIENCE-BASED
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KILLER READY-TO-USE**

Version 1.0 / USA

5/7
Revision Date: 09/15/2020

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Light Blue Liquid
ODOR: unpleasant
pH: 5.0 - 6.0 as 1% solution
FLASH POINT: No data available
LIQUID DENSITY: 1.002
VISCOSITY: No data available
SOLUBILITY IN WATER: No data available
MELTING POINT: Not available
SOLUBILITY: Soluble in Water
VAPOR PRESSURE: No data available
VAPOR DENSITY: No data available
PARTITION COEFFICIENT: No data available
AUTOIGNITION TEMPERATURE: No data available
EVAPORATION RATE: No data available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: No information available
STABILITY: Stable under normal conditions.
CONDITIONS TO AVOID: Avoid excessive heat.
HAZARDOUS DECOMPOSITION PRODUCTS: None known
HAZARDOUS POLYMERIZATION: Will not occur.
INCOMPATIBLE MATERIALS: None known

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No Information available

Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (Inhalation -vapor) 51.2362 mg/l

Oral LD50 > 5,000 mg/kg
Dermal LD50 > 5,000 mg/kg
Inhalation LC50 > 2.04 mg/l

**BIOADVANCED SCIENCE-BASED
SOLUTIONS WEED & GRASS
KILLER READY-TO-USE**

Version 1.0 / USA

6/7
Revision Date: 09/15/2020

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Propylene glycol monomethyl ether 107-98-2	-	LC50: =20.8g/L (96h, Pimephales promelas) LC50: 4600 - 10000mg/L (96h, Leuciscus idus)	-	EC50: =23300mg/L (48h, Daphnia magna)

Persistence and degradability

No information available.

Bioaccumulation

There is no data for this product.

Component Information

Chemical name	Partition coefficient
Propylene glycol monomethyl ether 107-98-2	-0.437

Other adverse effects

No information available.

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

Empty remaining contents.
Do not re-use empty containers.
Place empty container in trash.

SECTION 14: TRANSPORT INFORMATION

DOT CLASSIFICATION:

Not Regulated.

INTERNATIONAL TRANSPORTATION:

Not Regulated.

**BIOADVANCED SCIENCE-BASED
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KILLER READY-TO-USE**

Version 1.0 / USA

7/7
Revision Date: 09/15/2020

SECTION 15: REGULATORY INFORMATION

EPA Registration No. 4242750-383-92564

TSCA

Chemical name	CAS No	US TSCA Inventory listing	US TSCA active/inactive designation
Other Ingredients	PROPRIETARY		
Propylene Glycol	57-55-6	Present	Active
Propylene glycol monomethyl ether	107-98-2	Present	Active
Glufosinate-Ammonium	77182-82-2		

CA PROPOSITION 65: Does not contain any Proposition 65 chemicals.

CERCLA RQ: Does not contain any CERCLA substances.

RCRA CLASSIFICATION: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

TSCA STATUS: The ingredients of this product are listed on the TSCA inventory or are exempt.

CWA (Clean Water Act): Does not contain any substances regulated as pollutants.

U.S. State Right to Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Propylene Glycol 57-55-6	X	-	X
Propylene glycol monomethyl ether 107-98-2	X	X	X

SECTION 16: OTHER INFORMATION

NFPA	Health hazards 2	Flammability 0	Instability 0	Physical and chemical properties - Personal protection X
HMIS	Health hazards * 2	Flammability 0	Physical hazards 0	

*Chronic Hazard Star Legend * = Chronic Health Hazard*

Reason for Revision: New Issue

Date of Previous Revision: New Issue

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.