

**BIOADVANCED SCIENCE-BASED
SOLUTIONS WEED & GRASS
KILLER SUPER CONCENTRATE**

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 SUPER CONCENTRATE

Product code

SDS Number 42750-378

EPA Registration No. 42750-378- 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

OSHA HCS CLASSIFICATION (29 CFR 1910.1200)

Acute Toxicity:

	Acute oral	Acute dermal	Acute inhalation	Eye irritation	Skin irritation	Skin Sensitization
Category	NC	NC	4	2B	NC	NC

NC: Not classified

SIGNAL WORD: WARNING

HAZARD STATEMENTS:

- Causes eye irritation
- Harmful if inhaled

PICTOGRAM:



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PRECAUTIONARY STATEMENTS - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors in a well-ventilated area

PRECAUTIONARY STATEMENTS- Response

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
IF INHALED: Remove person to fresh air and keep comfortable for breathing
Call a POISON CENTER or doctor if you feel unwell.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

COMMON NAME	CAS NO.	%	OSHA PEL	ACGIH TLV	NTP/IARC/OSHA (Carcinogen)
Glufosinate Ammonium	77182-82-8	11.3345	NE	NE	NA

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 soap and water for at least 15 minutes.

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 Prolonged contact may cause redness and irritation. Coughing and or wheezing. Difficulty in breathing.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically

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SECTION 5: FIREFIGHTING 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	Avoid contact with skin, eyes, or clothing. Use personal protective as required. Ensure adequate ventilation. Avoid breathing vapors or mists
Other Information	Refer to protective measures listed in Sections 7 and 8
<u>Methods and material for containment and cleaning up</u>	
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. Ensure adequate ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product.
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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.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

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 in 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.

Individual protection measure, such as personal protective equipment

EYE/FACE PROTECTION: Wear safety glasses with side shields or goggles

HAND PROTECTION: Wear suitable gloves

SKIN AND BODY PROTECTION: Wear suitable protective clothing.

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

VENTILATION: Whenever possible, adequate ventilation should be used to minimize the need for personal protective equipment.

General hygiene considerations Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

ENGINEERING CONTROLS: Provide local exhaust ventilation.
Showers
Eyewash stations

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Blue Liquid

ODOR: unpleasant

pH: 6.0 - 7.0 @ 20C

FLASH POINT: No data available

LIQUID DENSITY: 1.0-1.1

VISCOSITY: 6.3 mm²/sec @ 20C

SOLUBILITY IN WATER: No data available

MELTING POINT: Not available

SOLUBILITY: Not available

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

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SECTION 10: STABILITY AND REACTIVITY

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. Harmful by inhalation.
- Eye contact** Specific test data for the substance or mixture is not available. Causes eye irritation. May cause redness, itching, and pain.
- Skin contact** Specific test data for the substance or mixture is not available. Causes mild skin irritation.
- Ingestion** Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms May cause redness and tearing of the eyes. Prolonged contact may cause redness and irritation. Coughing and/or wheezing

Acute toxicity

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

Unknown acute toxicity

Oral LD50 > 5,000 mg/kg
Dermal LD50 > 5,000 mg/kg
Inhalation LC50 > 2.20 mg/l

Delayed and immediate effects as well as chronic effects from short and long-term exposure

- Skin corrosion/irritation** May cause skin irritation. Classification based on data available for ingredients
- Serious eye damage/eye irritation** Classification based on data available for ingredients. Irritating to eyes
- Respiratory or skin sensitization** No information available.
- Germ cell mutagenicity** No information available.
- Reproductive toxicity** No information available.
- STOT - single exposure** No information available.
- STOT - repeated exposure** No information available.
- Target organ effects** Respiratory system, Eyes, Skin, Central nervous system.

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SECTION 12: ECOLOGICAL INFORMATION

ECO-ACUTE TOXICITY: Very toxic to aquatic life with long lasting effects

Persistence and Degradability No information available

Bioaccumulation There is no data for this product

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.
Do not apply when weather conditions favor runoff or drift.
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 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.

SECTION 15: REGULATORY INFORMATION

EPA Registration No. 42750-378-92564

SARA TITLE III CLASSIFICATION:

Section 302: Not applicable.
Section 311/312: Acute health hazard (immediate)
Chronic health hazard (delayed)
Section 313: Not applicable

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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.

US State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Trade Secret	-	-	X

SECTION 16: OTHER INFORMATION

HAZARD RATINGS	NFPA	HMIS	
HEALTH:	4	4	0 MINIMAL
FLAMMABILITY:	0	0	1 SLIGHT
REACTIVITY:	0	0	2 MODERATE
			3 HIGH
			4 SEVERE

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.