

**BIOADVANCED SCIENCE-BASED
SOLUTIONS SLOW MOW LAWN
GRANULES**

Version 1.0 / USA
ASPGR34

1/7
Revision Date: 10/14/2019

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

Product identifier

Trade name

BIOADVANCED SCIENCE-BASED SOLUTIONS SLOW MOW
LAWN GRANULES

Product code

SDS Number

ASPGR34

EPA Registration No.

9198-245-92564

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

Use

Fertilizer / Pesticide

Restrictions on use

See product label for restrictions.

Information on manufacturer

SBM Life Science Corp.
1001 Winstead, Ste 500
Cary, NC 27513 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 §1910.12

Pictogram:

Eye irritation : Category 2B

Skin Irritation : Category 2

Specific Target Organ Toxicity
- Single Exposure Category 3



Signal word: Warning

Hazard statements

Causes eye, skin and respiratory irritation

Precautionary statements

Keep out of reach of children

Read label before use

If medical advice is needed, have product container or label on hand

Call a poison center / physician if unwell

IF ON SKIN: Wash with plenty of soap and water.

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.

Wash hands after handling.

Use only outdoors or in well ventilated areas

Avoid breathing dust

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing

Other hazards

No other hazards known.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component Name	CAS-No.	Average % by Weight
Biodac Carrier	Not listed	90-95
Urea	57-13-6	5
Trinexapac-Ethyl	95266-40-3	0.15

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. Seek medical attention if irritation persists.
Skin contact	Wash affected areas with soad and water. Seek medical attention if irritation persists. Wash contaminated clothing before re-use.
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. Seek medical attention if irritation persists.
Ingestion	If victim is alert and not convulsing, give one glass of water to dilute material, but DO NOT induce vomiting. 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	
Risks	None Known
Treatment	Appropriate supportive and symptomatic treatment as indicated by the patients condition

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Suitable	Use media suitable for surrounding fire - no special media required
Unsuitable	None known.

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Special hazards arising from the substance or mixture	Accumulation of fine dust may entail the risk of a dust explosion in the presence of air. In the event of fire the following may be released:, Nitrogen oxides (NOx), Carbon monoxide (CO).
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	not applicable
Autoignition temperature	no data available
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Explosivity	no data available

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	Avoid dust formation. Sweep up or vacuum up spillage and collect in suitable container for disposal. 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.
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	Store in a cool, dry, well ventilated area. Do Not store above 120 F.
Hygiene measures	Remove PPE and clean as necessary

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Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed. Store in original container and out of the reach of children,

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components	CAS-No.	Control parameters	Basis
Biodac Carrier	Not listed	15 mg/m3 (total) 5 mg/m3 (total)	OSHA PEL
Urea	57-13-6	15 mg/m3 (total) 5 mg/m3 (total)	OSHA PEL

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 NIOSH approved pesticide respirator, if required

Hand protection Chemical resistant rubber gloves

Eye protection Safety glasses with sideshields, goggles, or faceshield recommended

Skin and body protection Wear long-sleeved shirt and long pants and shoes plus socks.

General protective measures There are no known hazards associated with this product when used according to the label directions. The following guidelines should be followed.
Avoid breathing dust.
Avoid contact with skin and eyes.
Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Grey / white granules
Physical State	dry, free flowing granules
Odor	Slight odor
Odour Threshold	no data available
pH	Not applicable
Vapor Pressure	no data available
Vapor Density (Air = 1)	no data available
Bulk density	Not available
Evaporation rate	Not applicable
Boiling Point	not applicable
Melting / Freezing Point	not applicable
Water solubility	Partially soluble
Minimum Ignition Energy	no data available
Decomposition temperature	no data available
Partition coefficient: n-octanol/water	not applicable
Viscosity	not applicable
Flash point	not applicable
Autoignition temperature	no data available
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Explosivity	no data available

SECTION 10: STABILITY AND REACTIVITY

Reactivity	
Thermal decomposition	no data available
Chemical stability	Stable under normal conditions.

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Possibility of hazardous reactions	No hazardous reactions when stored and handled according to prescribed instructions.
Conditions to avoid	Excessive Heat (Greater than 200 F)
Incompatible materials	Strong acids, Oxidizing agents, Hypochlorites
Hazardous decomposition products	HCN, NO _x CO _x NH ₃ , Cyanuric acid

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes	Eye contact, Ingestion, Inhalation, Skin contact
Immediate Effects	
Eye	May be irritating, causing redness and watering
Skin	Prolonged or frequently repeated skin contact may cause dermatitis.
Ingestion	Harmful if swallowed.
Inhalation	Dusts may cause upper respiratory tract irritation, coughing, sore throat
Information on toxicological effects	
Acute oral toxicity	LD50 (female rat) 4,460 mg/kg (Primo) - 14,300 mg/kg (Urea)
Acute dermal toxicity	LD50 (rat) > 4,000 mg/kg (Primo)
Acute Inhalation	LD50 (rat) > 5.3mg/L (Primo)
Eye irritation	No Data
Sensitisation	No Data
Assessment repeated dose toxicity	
No Data	
Assessment Mutagenicity	
No Data	
Assessment Carcinogenicity	
No Data	

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SECTION 12: ECOLOGICAL INFORMATION

This product is not known to be ecotoxic, persistent, or have the potential to bioaccumulate.

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

This product is not regulated as a transportation hazard.

SECTION 15: REGULATORY INFORMATION

EPA Registration No.	9198-245-92564
US Federal Regulations	
TSCA list	None.
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.

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

Reason for Revision: Revision to add Hazard Pictogram - Skin Irritation

Date of Previous Revision: 10/10/2019

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.