BABY BIO ORCHID FOOD

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

Product identifier BABY BIO ORCHID FOOD

Trade name

Product code

SDS Number 793903157

EPA Registration No. Not Applicable

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

Use Fertilizer

Restrictions on use See product label for restrictions.

Information on manufacturer

SBM Life Science Corp.
11000 Weston Parkway, Suite 150
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	NC	NC	NC	NC

NC: Not classified

SIGNAL WORD:

CAUTION

HAZARD STATEMENTS:

- Not Applicable

PRECAUTIONARY STATEMENTS:

PRECAUTIONARY STATEMENTS: Keep out of reach of children.
If medical advice is needed, have product container or label at hand.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Compound Liquid fertilizer
Nitrogen - 5%
Phosphorous - 2%
Potassium - 1%

Chemical name	CAS No	Weight-%
Potassium Nitrate	7757-79-1	0.5
Urea (uncoated)	57-13-6	10.7
Potassium Hydroxide 50%	1310-58-3	1.8
Phosphoric Acid 75%	7664-38-2	1.1
Water	7732-18-5	83.2
Mono Ammonium Phosphate	7722-76-1	2.7

SECTION 4: FIRST AID MEASURES

Description of first aid measures

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4.1 Description of first aid measures

Inhalation Move to fresh air. Keep patient warm and at rest.

Skin contact Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists.

Eye contact Remove contact lens and rinse eyes immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation develops and persists.

Ingestion DO NOT induce vomiting unless directed to do so by a physician or poison control center. Rinse out mouth and give water in small sips to drink. Keep patient warm and at rest.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms Local:, Slight irritation

Systemic:, Diarrhoea, Vomiting, Nausea

4.3 Indication of any immediate medical attention and special treatment needed

Treatment Local treatment: Initial treatment: symptomatic.

Systemic treatment: Initial treatment: symptomatic. In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable	High volume water jet

5.2 Special hazards arising from the substance or mixture	Dangerous gases are evolved in the event of a fire.

5.3 Advice for firefighters

Special protective equipment for fire-fighters	In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus.
Further information	Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat. Whenever possible, contain fire-fighting water by diking area with sand or earth.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Precautions	Avoid contact with spilled product or contaminated surfaces. When dealing with a spillage do not eat, drink or smoke.
6.2 Environmental precautions	Do not allow to get into surface water, drains and ground water. If spillage enters drains leading to sewage works inform local water company immediately.

6.3 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). Keep in suitable, closed containers for disposal. Clean floors and contaminated objects with plenty of water.
Additional advice	Check also for any local site procedures.
6.4 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

7.1 Precautions for safe handling

Advice on safe handling	No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice. Ensure adequate ventilation.
Advice on protection against fire and explosion	No special precautions required.
Hygiene measures	When using, do not eat, drink or smoke. Wash hands immediately after work, if necessary take a shower.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	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. Keep away from direct sunlight. Protect from freezing.
Advice on common storage	Keep away from food, drink and animal feedingstuffs.
7.3 Specific end uses	Refer to the label and/or leaflet.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No control parameters known.

8.2 Exposure controls

Respiratory protection	Respiratory protection is not required under anticipated circumstances of exposure. Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.
Hand protection	Wear rubber gloves. Wash when contaminated and dispose of when contaminated inside, when perforated or when contamination on the outside cannot be removed. Wash hands frequently and always before eating, drinking, smoking or using the toilet.
Eye protection	Wear eye protection
Skin and body protection	Wear standard coveralls / clothing If there is a risk of significant exposure, consider a higher protective type suit.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form	Liquid
Density	ca. 1.12 g/cm³ at 20 °C
Water solubility	soluble
9.2 Other information	Further safety related physical-chemical data are not known.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Thermal decomposition	Stable under normal conditions.
10.2 Chemical stability	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions	No hazardous reactions when stored and handled according to prescribed instructions.
10.4 Conditions to avoid	Extremes of temperature and direct sunlight.
10.5 Incompatible materials	Bases, Store only in the original container.
10.6 Hazardous decomposition products	No decomposition products expected under normal conditions of use.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity	ATE > 2,000 mg/kg ATE – acute toxicity estimate
Acute inhalation toxicity	ATE > 5.0 mg/l ATE – acute toxicity estimate
Acute dermal toxicity	ATE > 2,000 mg/kg ATE – acute toxicity estimate
Skin irritation	No skin irritation (rabbit)
Eye irritation	No eye irritation (rabbit)
Sensitisation	Non-sensitizing. (guinea pig)

Further information

The above values are calculated in accordance with EC Regulation 1272/2008.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish	LC50 (Fish) > 100 mg/l Exposure time: 96 h
Toxicity to aquatic invertebrates	EC50 (Daphnia) > 100 mg/l Exposure time: 48 h
Toxicity to aquatic plants	EC50 (Algae) > 100 mg/l Exposure time: 96 h

12.2 Persistence and degradability

Biodegradability	no data available

12.3 Bioaccumulative potential

Bioaccumulation	no data available

12.4 Mobility in soil

Mobility in soil	no data available

12.5 Results of PBT and vPvB assessment

This mixture contains no substance considered to be persistent, bioaccumulative and toxic (PBT).
This mixture contains no substance considered to be very persistent and very bioaccumulative (vPvB).

12.6 Other adverse effects

Additional ecological information	No other effects to be mentioned. The above values are calculated in accordance with Regulation (EC)

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.
RCRA Information	Not Applicable

SECTION 14: TRANSPORT INFORMATION

DOT CLASSIFICATION: Not Regulated.

INTERNATIONAL TRANSPORTATION:

IMO (vessel): Not Regulated

IATA (air): Not Regulated

SECTION 15: REGULATORY INFORMATION

EPA Registration No. Not a registered material

FIFRA INFORMATION:
This chemical is a liquid fertilizer solution not registered by the Environmental Protection Agency.

SARA TITLE III CLASSIFICATION:
Section 302: Not applicable.
Section 311/312: Not Applicable
Section 313: Not Applicable

CA PROPOSITION 65: Not applicable

CERCLA RQ: Not applicable

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.

SECTION 16: OTHER INFORMATION

HAZARD RATINGS	NFPA	HMIS		
HEALTH:	1	1	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

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