

Material Safety Data Sheet

AntibacMax[®] B330 Silver ion antibacterial agent

MSDS

1. Product and company identification

Product name	AntibacMax [®] B330 Silver ion antibacterial agent
Product usage	Antibacterial agent
Supplier	Shanghai Langyi Functional Materials Co., Ltd.
Address	Bldg. 3, NO. 136 Yuxiu Rd., Songjiang Dist., Shanghai, 201699.
Contact information	Tel.: 400-8389-668 Fax: 086-021-67799023-808

2. Hazards identification

Physicochemical hazard	No special physical or chemical hazards
Adverse human health hazards	
Acute toxicity(oral)	Non-toxic
Skin corrosion / irritation	Non Irritation
Eye irritation	Non Irritation
Other human health hazard that has no description in the above is out of category or not possible to classify because of insufficient data.	
Environmental hazards	Not possible to classify because of insufficient data
Pictogram or symbol	None
Signal word	None
Statement of no danger	None

3. Composite / Information of ingredients

Chemicals or mixtures	Chemicals
Substance	Silver ions- carrying glass powder
Contained (wt%)	>99
CAS No.	65997-17-3

4. First-aid measures

Eye contact	Rinse eyes immediately with plenty of water. Raise upper and lower eyelids from time to time. Check and remove contact lenses. Continue rinsing for at least 15 minutes. Ask for medical attention after contact or if you feel unwell.
Inhalation	Remove the victim to fresh air and keep at rest in a position comfortable for breathing. Call a doctor if you feel unwell.
Skin contact	Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. Get medical advice/attention If skin irritation occurs.
Ingestion	Rinse mouth with water. If you have false teeth, please remove them. Move the patient to fresh air, rest, and maintain a position conducive to breathing. If the substance has been swallowed and the patient remains awake, drink a small amount of water. If the patient feels nauseous, stop, because vomiting can be dangerous. Vomiting is prohibited unless directed by a medical professional. If vomiting occurs, keep your head down to prevent vomit from entering your lungs. Seek medical attention. If necessary, call a poison control center or seek medical attention. Never give any oral substance to an unconscious person. If unconscious, put in a rehabilitative position and seek immediate medical attention. Keep your respiratory tract clear. A garment, such as a neckline, tie, belt, or belt, that is too tight.
The most important acute and delayed symptoms/effects	
Potential acute health effects	
Eye contact	No obvious known effects or serious risks
Inhalation	No obvious known effects or serious risks
Skin contact	No obvious known effects or serious risks
Ingestion	Swallowing is harmful
Signs/symptoms of overexposure	
Eye contact	No specific data
Inhalation	No specific data
Skin contact	No specific data
Ingestion	No specific data
Instructions for immediate medical treatment and special treatment required (if necessary)	
Special handling	No special treatment
Protection for first responders	No action shall be taken if there is any physical danger or if appropriate training has not been received. Mouth-to-mouth breathing may be dangerous to the rescuer.
See Toxicology materials (Part 11)	

5. Fire-fighting measures

Suitable fire extinguishing agent	Water, powder extinguishing agent, carbon dioxide
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Hazardous characteristics	Cannot burn itself and is subjected to high heat without decomposition (1600°C)
Special precautions for fire personnel	In case of fire, evacuate all personnel from the disaster area and adjacent areas and quickly isolate the scene. No action involving personal risk or without proper training shall be taken.
Special protective equipment for fire fighters	Fire personnel shall wear appropriate protective equipment and positive pressure self-contained breathing apparatus (SCBA) with full face protection.

6. Accidental release measures

Caution for personal	Wear appropriate equipment to avoid contact with skin and eyes. Avoid inhalation of dust.
Caution for environmental	Attention should be given not to cause damage to the environment by flowing of spillage to rivers.
Removal measure	Sweep up the chemicals and place in a chemical waste container.

7. Handling and storage

Handling	Wear proper equipment and avoid contact with skin and eyes. Avoid inhalation of dust. Use in an enclosed system or with a local exhaust ventilation.
Storage	Store in a cool place and keep original sealed package during storage.
Reservoir vessel	Aluminum pouch with inside laminated PE film.

8. Exposure controls / personal protection

Allowable concentration	
ACGIH(Published in 1979)	10mg/m ³ (Glass powder)
Proper engineering controls	Install local ventilation system in dusty environment.
Personal protective equipment	
Respiratory protection	Dust mask
Hand protection	Protective gloves
Eye protection	Dust proof goggles
Skin protection	Wear protective clothing, if environment is excessively dusty.

9. Physical and chemical properties

Appearance	Powder
Color	White
Odour	None
Melting point	600°C
pH	7.0

Decomposition temperature	No data available
Flash point	Non combustibility
Flammability and explosion limits	Uncertain
Specific gravity	2.5-3.0
Solubility water	Insoluble in water
Solubility of organic solvent	Insoluble in ethanol, hydrocarbons

10. Stability and reactivity

Stability	Stable under normal usage.
Reactivity	No data available

11. Toxicological information

Acute toxicity	
LD50	>5000mg/kg Species: Rats
Skin	No skin irritation
Inhalation	Not possible to classify because of insufficient data
Irritation / corrosion	
Skin erosion or irritation	Non Irritation
Eye erosion or irritation	Non Irritation
Respiratory sensitization	Not possible to classify because of insufficient data
Carcinogenicity	Not possible to classify because of insufficient data
Toxic to reproduction	Not possible to classify because of insufficient data
Specific target organ systemic toxicity (single exposure)	Not possible to classify because of insufficient data
Specific target organ systemic toxicity (repetitive exposure)	Not possible to classify because of insufficient data
Inhalation hazard	Not possible to classify because of insufficient data

12. Ecological information

Aquatic toxicity (acute)	No data available
Aquatic toxicity (chronic)	No data available

13. Disposal considerations

Disposal measures	Contact the industrial waste disposal company. Follow all local regulations when disposing this substance.
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14. Transport information

International transport	
The UN number	No information
UN specific name of shipment	No information
Transport hazard class	No information
Packaging category	No information
Marine pollutant	No information
Special remarks	Ensure that containers or packages are not damaged Avoid direct sunlight Do not stand in the rain or wet water

15. Regulation information

Reference has been made to the following provisions	1. Regulations on the Safety administration of hazardous Chemicals 2. Safety Code for Classification, Warning Labels and Warning Descriptions of Chemicals in China (GB20576-20602) 3. List of Dangerous Goods (GB12268-2005) 4. Content and sequence of technical Specifications for Chemical safety (GB/T 16483-200) 5. Classification of Dangerous Goods Code (GB6944-2005) 6. General Rules for Chemical Classification and Hazard Publicity (GB13690-2009) 7. Hazardous Waste List (2008.08.01) 8. Hazardous Chemicals List (2002)
List of prohibited imports	None of these components are included
List of prohibited exports	None of these components are included
Toxic chemicals list of strictly prohibited imports and exports in China	None of these components are included

16. Other information

History	
Date of issue/Date of revision	2024-02-22
Date of previous issue	2022-10-31
Version	1.2

Indicates information that has changed from previously issued version.

Notice to reader

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance.

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