

**JIANGSU CHITIN BIOTECH CO.,LTD.**Address: Marine Biological Industry Science and Technology park, Dafeng, Yancheng, Jiangsu  
Tel&Fax: +86-515-83993369

# SAFETY DATA SHEET

## Chitosan

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### SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Chitosan**Company:** Jiangsu Chitin Biotech Co., Ltd.**Address:** Marine Biological Industry Science and Technology park, Dafeng, Yancheng, Jiangsu**E-mail:** [golden-shell@jinke-chitin.com](mailto:golden-shell@jinke-chitin.com); [linchangkai@golden-shell.com.cn](mailto:linchangkai@golden-shell.com.cn);**Fax:** 86-515-83993369**Emergency Phone:** 86-515-83993369**SDS Number:** 3605160021**SDS Date:**2024-03-27

### SECTION 2 HAZARDS IDENTIFICATION

**GHS Classification:**None**Symbol:** :None**Signal Word:** None**Hazard Statement:** None**General Precautionary Statement:** P102 Keep out of the reach of children**Prevention Precautionary Statement:** None**Response Precautionary Statement:** None**Storage Precautionary Statement:** P403+P235 Store in a well-ventilated place. Keep cool.**Disposal Precautionary Statement:** P501 Dispose of contents/ container in accordance with local/ regional/ national/ international regulation

### SECTION 3 INFORMATION ON INGREDIENTS

**Chemical Name:** Poly-(1-4)-2-Amino-2-deoxy- $\beta$ -D-Glucan**CAS No.:**9012-76-4

## SECTION 4 FIRST-AID MEASURES

**Skin Exposure:** In case of contact, immediately wash skin with soap and copious amounts of water. If irritation persists, call a physician.

**Eye Exposure:** In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

**Inhalation Exposure:** If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

**Oral Exposure:** If swallowed, wash out mouth with water provided person is conscious. Call a physician.

**Most important symptoms and effects, both acute and delayed:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## SECTION 5 FIRE FIGHTING MEASURES

**Conditions of flammability:**

Not flammable or combustible.

**Extinguishing Media:**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Firefighting:**

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific hazards: Emit toxic fumes under fire conditions.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:**

Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

**Environmental precautions:**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Methods and materials for containment and cleaning up:**

Sweep up with spade and transfer to a dry, clean, lidded container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

## SECTION 7 HANDLING AND STORAGE

**Handling:**

Wear appropriate protective clothing and chemical safety gloves. Avoid inhalation. Avoid formation of dust and aerosols. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Mechanical exhaust required. Keep away from ignition sources, heat and flame. Incompatibilities: strong oxidizing agents. No smoking at working site.

**Conditions for safe storage, including any incompatibilities:**

Keep container tightly closed in a dry and well-ventilated place.

Keep in a dry place.

## SECTION 8 EXPOSURE CONTROL /PPE

**Appropriate engineering controls:** Use ventilation equipment. Safety shower and eye bath.

**Personal Protective Equipment:**

Respiratory: Government approved respirator.

Eye: Wear chemical safety goggles.

Clothing: Wear appropriate protective clothing.

Hand: Wear compatible protective gloves.

## SECTION 9 PHYSICAL /CHEMICAL PROPERTIES

**Appearance :** off white to yellowish powder

**Odor:** no data available

**Melecular:**  $(C_6H_{11}NO_4)_n$

**Molecular Weight:**  $(160.9)_n$

**Melting point:** no data available

**pH Value:** 6.5-8.5

## SECTION 10 STABLITY AND REACTIVITY

**Chemical Stability:** Stable under normal temperatures and pressures.

**Possibility of hazardous reactions:** No data available

**Conditions o Avoid:** No data available

**Incompatible materials:** Strong oxidizing agents

**Hazardous Decomposition Products:**

Carbon oxides, nitrogen oxides ( $NO_x$ ), Sulphur oxides, Sodium oxides.

## SECTION 11 TOXICOLOGICAL INFORMATION

**Toxicity Data:** No data available

**Skin corrosion./ irritation:** No data available

**Serious eye damage/ eye irritation:** No data available

**Respiratory Sensitization:** No data available

**Skin Sensitization:** No data available.

**Germ Cell Mutagenicity:** No data available.

**Carcinogenicity:** No data available.

**Reproductive Toxicity:** No data available.

**Specific target organ toxicity following single exposure:** No data available.

**Specific target organ toxicity following repeated exposure:**No data available.

**Aspiration Hazard:** No data available.

## SECTION 12 ECOLOGICAL INFORMATION

**Toxicity:** No data available.

**Persistence and degradability:** No data available.

**Bioaccumulative potential:** No data available.

**Mobility in soil:** No data available.

**Other adverse effects:** No data available.

## SECTION 13 DISPOSAL CONSIDERATIONS

**Appropriate Method of Disposal of substance:**

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with and afterburner and scrubber. Observe all federal, state, and local environmental regulations.

## SECTION 14 TRANSPORT INFORMATION

**DOT :** This substance is considered to be non-hazardous for transport.

**RID/ADR:** This substance is considered to be non-hazardous for transport.

**IATA:** This substance is considered to be non-hazardous for air transport.

**IMO:** This substance is considered to be non-hazardous for sea transport.

Special Precautions: Before the transportation, Check containers for leaks. Do not place heavy goods on top. During the transportation, avoid overturning, damaging and falling the containers.

## SECTION 15 REGULATORY INFORMATION

**EU Additional Classification:**

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

This chemical substance is not classified as dangerous according to Directive 67/548/EEC.

## SECTION 16 OTHER INFORMATION

**Date:** 2015-06-07

**Department:** Shanghai Research Institute of Chemical Industry Testing Center

Shanghai Classification and Testing Centre of Dangerous Chemicals for State  
Administration of Work Safety

Tel ( Fax): 8621-52815377/ 52800971 / 52807275 / 52811034/52569800

**Revision:** 1

**Other information**

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