



中国认可
检验
INSPECTION
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SAFETY DATA SHEET

Product Name: Chitosan Oligosaccharide

Revision Date: 2018-08-29

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Shanghai Research Institute of Chemical Industry Testing Co., Ltd.



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ZHONGKE RUNXIN(SUZHOU) BIOLOGICAL TECHNOLOGY CO., LTD

SAFETY DATA SHEET

Chitosan Oligosaccharide

SECTION1 PRODUCT AND COMPANY IDENTIFICATION

Product name: Chitosan Oligosaccharide
Company: ZHONGKE RUNXIN(SUZHOU) BIOLOGICAL TECHNOLOGY CO., LTD
Address: No.6 Anmin Road, Huangdai Town, Xiangcheng District, Suzhou City, Jiangsu Province, 215152, P.R.China
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SDS Number: 2618080036
SDS Date: 2018-08-29

SECTION2 HAZARDS IDENTIFICATION

GHS Classification:

Physical Hazards:

Not classified.

Health Hazards:

Not classified.

Environmental Hazards:

Not classified.

The hazards not mentioned are not applicable or no data available.

Label Elements:

Pictogram:

None

Signal Word:

None

Hazard Statements:

None.

Prevention Precautionary Statements:

None.

Response Precautionary Statements:

None.

Storage Precautionary Statements:

None.

Disposal Precautionary Statements:

Dispose of contents/container in accordance with local / regional / national / international regulation.

SECTION3 INFORMATION ON INGREDIENTS**Product name:** Chitosan Oligosaccharide

Ingredient	Concentration	CAS No.	EC No.
Chitosan Oligosaccharide	5%	148411-57-8	/
Water	95%	7732-18-5	231-791-2

SECTION4 FIRST-AID MEASURES**Skin Exposure:**

In case of skin contact, flush with copious amounts of water. If irritation persists, Call a physician.

Eye Exposure:

In case of contact with eyes, immediately flush with copious amounts of water for at least 15 minutes.

Assure adequate flushing by separating the eyelids with fingers.

If irritation persists, Call a physician.

Inhalation Exposure:

If inhaled, immediately remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. 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:

No data available.

Indication of any immediate medical attention and special treatment needed:

No data available.

SECTION5 FIRE FIGHTING MEASURES**Extinguishing Media:**

Suitable: Dry chemical, Water spray, Carbon dioxide or appropriate foam.

Special hazards arising from the substance or mixture:

Take care as it may decompose upon combustion or in high temperatures to generate Carbon oxides, Nitrogen oxides.

Advice for firefighters:

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Fire-extinguishing work is done from the windward. Uninvolved persons should evacuate to a safe place.

SECTION6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Avoid breathing vapour. Entry to noninvolved personnel should be controlled around the leakage area by roping off, etc.

Environmental precautions:

Do not let product enter drains.

Methods and materials for containment and cleaning up:

Mix with inert material (e.g. dry sand, vermiculite) and transfer to a dry, clean, lidded container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

SECTION7 HANDLING AND STORAGE

Precautions for safe handling:

Wear appropriate protective clothing and gloves. Avoid inhalation of vapour. Avoid contact with eyes, skin and clothing. Handling is performed in a well ventilated place. Keep away from ignition sources, heat and flame. Incompatibilities: Strong oxidizing agents. Wash hands and face thoroughly after handling. No smoking at working site.

Conditions for safe storage, including any incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Keep away from ignition sources, heat and flame. Incompatibilities: Strong oxidizing agents.

SECTION8 EXPOSURE CONTROL/PPE

Control parameters:

Not set up

Appropriate engineering controls:

Mechanical exhaust required. Safety shower and eye bath.

Personal Protective Equipment:

Respiratory: Wear government approved respirator if needed.

Eye: Wear chemical safety glasses if needed.

Clothing: Wear appropriate protective clothing.

Hand: Wear compatible protective gloves.

Other Protect:

No smoking, drinking and eating at working site. Wash thoroughly after handling.

SECTION9 PHYSICAL/CHEMICAL PROPERTIES

Appearance:	Brown liquid
Odor:	Weak odor
Odor Threshold:	No data available
pH Value:	4.8-4.9
Solubility(ies):	Miscible in water
Melting Point/Freezing Point:	Not applicable
Boiling Point, Initial Boiling Point and Boiling Range:	99.7°C

Flash Point >96°C
 (Closed Cup):
 Density/Relative No data available
 Density:
 Viscosity: No data available
 Upper/Lower No data available
 Flammability or
 Explosive Limits:
 Vapor Pressure: No data available
 Vapor Density: No data available
 n-Octanol/Water No data available
 Partition
 Coefficient:
 Autoignition No data available
 Temperature:
 Decomposition No data available
 Temperature:
 Evaporation Rate: No data available
 Flammability Not applicable
 (Solid, Gas):

SECTION10 STABILITY AND REACTIVITY

Reactivity:
 No data available.
 Chemical stability:
 Stable under normal temperatures and pressures.
 Possibility of hazardous reactions:
 No data available.
 Conditions to avoid:
 No data available.
 Incompatible materials:
 Strong oxidizing agents.
 Hazardous Decomposition Products:
 Carbon oxides, Nitrogen oxides.

SECTION11 TOXICOLOGICAL INFORMATION

Acute toxicity:
 No data available.
 Skin corrosion/irritation:
 No data available.
 Serious eye damage/irritation:
 No data available.
 Respiratory or skin sensitization:
 No data available.
 Germ cell mutagenicity:
 No data available.
 Carcinogenicity:
 No data available.
 Reproductive toxicity:
 No data available.





Specific target organ toxicity - single exposure:

No data available.

Specific target organ toxicity - repeated exposure:

No data available.

Aspiration hazard:

No data available.

SECTION12 ECOLOGICAL INFORMATION

Ecotoxicity:

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.

SECTION13 DISPOSAL CONSIDERATION

Appropriate Method of Disposal of Substance:

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

SECTION14 TRANSPORT INFORMATION

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

IATA: Non-Hazardous for Air Transport: Non-hazardous for air transport.

IMO: Non-Hazardous for Sea Transport: Non-hazardous for sea transport.

SECTION15 REGULATORY INFORMATION

Regulation(EC) No 1272/2008 and amendments:

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

SECTION16 OTHER INFORMATION

Date:

2018-08-29

Department:

Shanghai Research Institute of Chemical Industry Testing Co., Ltd.

Tel (Fax) :+86-21-52815377/31765555

Revision:

0

Reference Standard:

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS), 6th revised edition

Other Information:

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