

MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION CHITOSAN OLIGOSACCHARIDE

PRODUCT CODE: NA

PRODUCT NAME: CHITOSAN OLIGOSACCHARIDE CAS NUMBER: 148411-57-8

CHEMICAL FAMILY: CHITOSAN OLIGOSACCHARIDE

MANUFACTURER
AND ADDRESS:

TELEPHONE
NUMBERS:

DATES:

Qingdao Yudacentury Economy And Trade Co.ltd

24 hour emergency

0086-15506391635

Date Created:
10/29/2000

No.18 zhenjiang Bei Road,Shi bei

district,qingdao,Shandong province Business hours

0086-532-87900136

Revision:
04/25/2017

266000,China

Marketing

0086-532-87900136

Printed:
01/12/2017

SECTION 2. HAZARDS IDENTIFICATION

Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT NAME: CHITOSAN OLIGOSACCHARIDE

FORMULA: $(C_8H_{11}O_4N)_n$ (n=5~25)

MOLECULAR WEIGHT: $161.16 \times n$ (n=5~25)

HAZARDOUS (CHEMICAL NAME)	COMPONENTS	CAS #	OSHA PEL	ACGIH TLV	OTHER LIMITS	PERCENTAGE
1. CHITOSAN OLIGOSACCHARIDE		1484 11-57 -8				100 %

SECTION 4. FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES

IF ON SKIN: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

IF INHALED: If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

IF CASE OF EYE CONTACT: If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention

SECTION 5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Regular foam, water fog, carbon dioxide, sand

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Handle spilled material to minimize dust release. Vacuum or sweep up material and place in disposal container. Dispose of waste powder in accordance with local, state, and federal regulations.

SECTION 7. HANDLING AND STORAGE

HANDLING

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing and wash before reuse. Shower after work using plenty of soap and water

STORAGE

Store in a cool, dry place at under 30°C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION

3M Dust respirator No.8710 or 9900 is recommended.

HAND PROTECTION

For prolonged or repeated contact use protective gloves.

EYE PROTECTION

Wear safety glasses in compliance with OSHA regulations. (Consult your safety representative.)

HYGIENE MEASURES

General industrial hygiene practice

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATES:	[] Gas , [] Liquid , [X] Solid
BOILING POINT:	N/A
MELTING POINT:	N/A
SPECIFIC GRAVITY (WATER = 1):	N/A
VAPOR PRESSURE (VS. AIR OR MM HG):	N/A
VAPOR DENSITY (VS. AIR = 1):	N/A
EVAPORATION RATE (VS BUTYL ACETATE=1):	N/A
SOLUBILITY IN WATER:	N/A
PERCENT VOLATILE:	
PH:	N/A
APPEARANCE AND ODOR	
Light yellow flowing Powder	

SECTION 10. STABILITY AND REACTIVITY

STABILITY

Stable under recommended storage conditions

MATERIALS TO AVOID

Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS

May form: carbon dioxide and carbon monoxide.

SECTION 11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION

No data available

SECTION 12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE MANAGEMENT INFORMATION

Dispose of with other normal, solid waste

SECTION 14. TRANSPORT INFORMATION

ADR/RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15. REGULATORY INFORMATION

LABELLING ACCORDING TO EC DIRECTIVES

FURTHER INFORMATION

The product does not need to be labelled in accordance with EC directives or respective national laws.

SECTION 16. OTHER INFORMATION

The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification.

For and on behalf of
Qingdao Yuda Century Economy And Trade Co., Ltd
青岛裕达世纪经贸有限公司

.....
Authorized Signature