

Material Safety Data Sheet for Chondroitin Sulfuric acid, sodium salt

1. Product and Company Identification

Name of product Chondroitin Sulfuric acid, sodium salt

Manufacturer Name: Yantai Ruikangda Biochemical products CO., LTD.

Address: Tianmu Road Development Zone Laiyang City Shandong P.R. China

Post code: 265200

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2. Composition/information on ingredients

Components: This product is not hazardous.

Substance name

Chondroitin Sulfuric acid, sodium salt

CAS No.

9082-07-9

3. Hazards Identification

Human health hazards: May irritate eyes and skin. May cause irritation to the respiratory tract.

Exposure may produce an allergic reaction. Nausea. This material may induce blood disorders and/or aggravate pre-existing blood disorders. Nervous system disorders. Dizziness. Headache. Gastrointestinal disorders. Vomiting.

GHSClassification: Not included in hazardous article.

4. First aid measures

Eyes contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking, tears or redness persist.

Skin contact: Remove affected clothing and wash all exposed skin areas with mild soap and water, followed by warm water rinse.

Inhalation: Assure fresh air breathing. Rest. If you feel unwell, seek medical advice.

Ingestion: Rinse mouth. If swallowed, seek medical advice immediately and show this container or label.

5. Fire-fighting measures

Extinguishing media

- **Suitable extinguishing media:** Water spray. Carbon dioxide. Dry powder.

- **Unsuitable extinguishing media:** Do not use a heavy water stream.

Surrounding fires: Use water spray or fog for cooling exposed containers.

Protection against fire: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous combustion products: Incomplete combustion will generate poisonous carbon monoxide, carbon dioxide and other toxic gases.

6. Accidental release measures

General precautions: Remove ignition sources. Evacuate area.

Personal precautions: Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.

Cleanup methods: To clean the floor and all objects contaminated by this material. Use: Water/Detergent.

Avoid dust production. Ensure adequate ventilation.

7. Handling and storage

Personal protection: Avoid all unnecessary exposure. Ensure prompt removal from eyes, skin and clothing.

Handling: Handle in accordance with good industrial hygiene and safety procedures.

Storage: Preserve in airtight containers.

Storage-away from: All heat sources, including direct sunlight. Open flame. Sources of ignition. Sparks.

Incompatible

materials, see § 10

8. Exposure controls/personal protection

Personal protection:



-Respiratory protection: Wear approved mask (P1)

In case of insufficient ventilation, wear suitable respiratory equipment.

-Hand protection: Wear suitable gloves resistant to chemical penetration.

-Skin protection: Wear suitable protective clothing.

-Eye protection: Chemical goggles or safety glasses.

Industrial hygiene: Provide local exhaust or general room ventilation.

9. Physical and chemical properties

Chemical formula: $H_2O(C_{14}H_{19}NNa_2O_{14}S)_x$

Physical state: Powder

Colour: White

pH value (1% solution): 5.5-7.5

Melting point [°C]: No data available.

Boiling point [°C]: No data available.

Solubility in water: Complete

Solubility: No data available.

Flash point [°C]: No data available.

Log Octanol/water at 20°C: No data available.

10. Stability and reactivity

Chemical stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Conditions to avoid: Incompatible materials, excess heat. Exposure to moisture or water.

Incompatibilities with other materials: Strong oxidizing agents.

Hazardous decomposition products: Carbon monoxide. Carbon dioxide. Sulfur compounds. Nitrogen oxides.

When heated to decomposition, emits dangerous fumes.

Hazardous reactions: None under normal conditions.

Hazardous polymerization: Has not been reported.

11. Toxicological information

RTECS#: GA8430000 (Chondroitin sulfuric acid) (see actual entry in RTECS for complete information)

Rat oral LD50 [mg/kg]: No data available.

Rabbitdermal LD50 [mg/kg] :Nodata available.

RatinhalationLC50 [mg/L/4h] :Nodata available.

Acute toxicity:Maycause irritationtothe respiratorytract.Mayirritate eyesandskin.Nausea.
Vomiting.Gastrointestinaldisorders.Headache.Dizziness.Nervous systemdisorders.

This materialmayinduceblooddisorders and/or aggravatepre-existingblooddisorders.

Chronic toxicity:Nodata available.

Sensitization:Nodata available.

12. Ecologicalinformation

Ecologicaleffects information:Nodata available.

LC50-96Hour-fish [mg/L] :Nodata available.

EC50-48Hour –Daphniamagna [mg/L] :Nodata available.

IC50-72h-Algae [mg/L] :Nodata available.

13. DisposalConsiderations

General:Dispose ofthis materialandits containerat hazardousorspecialwaste collectionpoint.

Dispose in a safemannerinaccordance withlocal/nationalregulations.

14. Transport information

Generalinformation:Not classified

15. Regulatoryinformation

Symbol(s) :None

RPhrase(s): None

SPhrase(s)S22: Donotbreathedust.

S36/37: Wearsuitable protective clothingandgloves.

S38:Incase ofinsufficientventilation,waresuitable respiratoryequipment.

16. Otherinformation

Noticetoreader

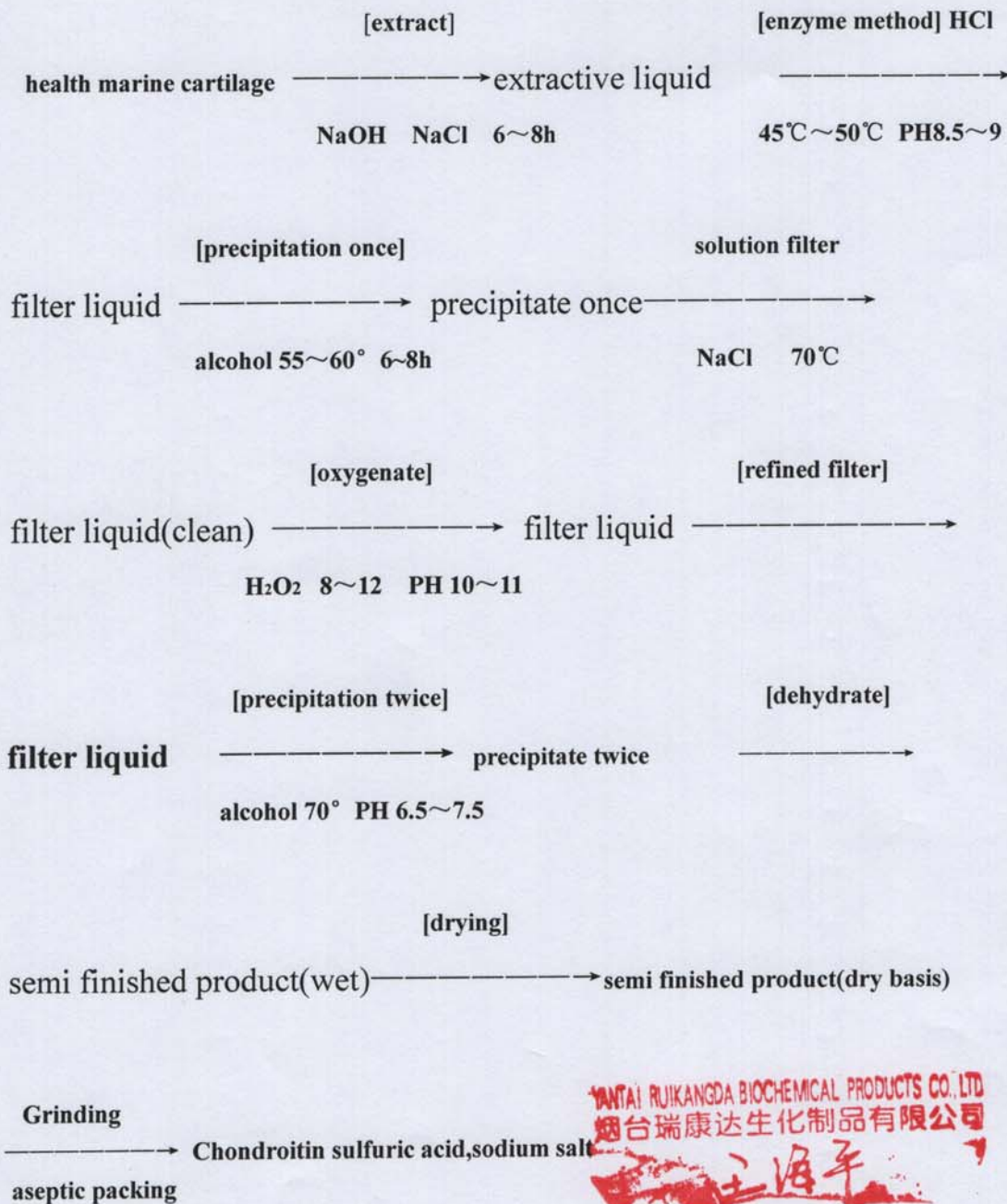
The informationisbasedonour current knowledgehoweverit does not represent a guaranteeof product

properties nor doesit createany legalobligation.



Manufacturing flow chart

(Chondroitin Sulfuric acid, sodium salt)



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