



MATERIAL SAFETY DATA SHEET

1. Chemical Product & Company Identification

Product Name: Nisin

Contact Information:

Company: Aurora Industry Co.,Ltd.

Address:Room 7033, No.9-1, Haifu Road, Dalian Free Trade Zone, China

Tel:0411-82288674

2. Composition/Information on Ingredients

Product Name: Nisin (min. 2.5%)

E-number: E234

CAS No.: 1414-45-5

Molecular: C143H228O37N42S7

Ingredient: Nisin, NaCl

3. Hazards Identification

Hazards categories: Not applicable

4. First Aid Measures

Eye Contact: Flush eyes with plenty of water for at least 15 minutes.

Skin Contact: Flush skin with plenty of water or with a disinfectant soap.

Inhalation: Move to fresh air.

Ingestion: Wash out mouth with water.

Note: If necessary, get medical attention.

5. Fire Fighting Measures

Extinguishing media:Use dry chemical powder, water spray, dry chemical powder or foam.

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

6. Accidental Release Measures

Procedures of personal precautions:Use appropriate personal protection. Prevent forming of dust clouds.

Methods for cleaning up:Sweep up with spade and transfer to a dry, clean, lidded container for disposal. Avoid raising dust. Wash spill site after material pickup is complete.



7. Handling and storage

Handling precaution: Wear suitable protective clothing and chemical safety gloves. In case of insufficient ventilation, wear suitable respiratory equipment. Wash thoroughly after handling. Keep away from incompatibles or ignition sources, heat and flame.

Storage: Store in a cool, well-ventilated area and keep in a tightly closed container. Keep away from direct sunlight.

8. Exposure Controls/Personal Protection

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering

controls to keep airborne levels below recommended exposure limits.

Personal Protection:

Respiratory: Wear dust mask if needed.

Eye: Goggles.

Clothing: Protective clothing.

Hand: Chemical-resistant gloves.

9. Physical and Chemical Properties

Appearance: Light brown powder

Odor: Odorless

Solubility: Soluble in water

10. Stability and Reactivity

Stability: Stable under normal conditions as recommended.

Conditions to avoid: None

Hazardous decomposition products:None

11. Toxicological Information

Toxicity data:Oral Rat LD50 9.26 g/kg(male), LD50 6.81g/kg(female).

Irritation Data: Maybe cause eyes and skin mild irritation.

12. Ecological Information

No data available.

13. Disposal Considerations

Disposal:Dispose in accordance with national, state and local environmental control regulations.

14. Transport Information

DOT Hazard Class:Not hazardous for transport.

IATA: Not hazardous for air transport.

IMO: Not hazardous for sea transport.



15. Regulatory Information

Regulation: Not classified as dangerous according to EU-directive 91/155.

16. Other Information

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Warning: This product is a chemical substance and is intended to be used by persons having chemical knowledge and skill, at their own discretion and risk.

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