Jiangsu Khonor Chemicals Co., Limited

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MATERIAL SAFETY DATA SHEET

Safety Data Sheet (SDS)

Product: N-Acetylneuraminic Acid (Sialic Acid, SA)

1. Identification of the Substance / Mixture and Company

Product Name	N-Acetylneuraminic Acid (Sialic Acid, SA)
Product Form	Solid powder
Product Use	Food / nutritional raw material
Manufacturer / Supplier	Jiangsu Khonor Chemicals Co., Limited
Address	Rm.1801, Easey Comm. Bldg., 253-261 Hennessy Road, Wanchai, Hong Kong
Telephone	+86-19851820586
Email	mengling@khonorchem.com

2. Hazard(s) Identification

GHS Classification	Not classified as hazardous according to GHS criteria.

Hazard Statement(s)	No significant hazard under normal handling.

Precautionary Statement(s)	Avoid dust inhalation and contact with eyes. Use personal protective equipment as needed.

This product is not classified as dangerous for supply or transport under normal conditions of use.

3. Composition / Information on Ingredients

Substance	N-Acetylneuraminic Acid
CAS No.	131-48-6
Concentration	≥ 98%

4. First-Aid Measures

Inhalation	Remove to fresh air. If breathing difficulty persists, seek medical attention.

Eye Contact	Rinse immediately with plenty of clean water for at least 15 minutes, holding eyelids open. Seek medical advice if irritation persists.

Skin Contact	Wash affected area with soap and water. Remove contaminated clothing.

Ingestion	Rinse mouth with water. Do not induce vomiting unless directed by medical

	personnel. Seek medical advice if a large amount is swallowed.

5. Fire-Fighting Measures

Suitable Extinguishing Media	Water spray, dry chemical, foam, carbon dioxide (CO2).
Unsuitable Media	None known.
Fire / Explosion Hazard	Dust may form explosive mixtures with air when dispersed in high concentration.
Protective Measures	Wear self-contained breathing apparatus and full protective clothing during fire-fighting.

6. Accidental Release Measures

Ventilate the area. Avoid raising dust. Sweep up or vacuum the spill, place into a clean, labelled container for disposal. Avoid discharge into drains, waterways or the environment.

7. Handling and Storage

Handling	Avoid dust formation and inhalation. Use adequate local exhaust ventilation. Wash hands after handling.
Storage	Store in a tightly sealed original package in a cool, dry and well-ventilated place. Protect from direct sunlight, moisture and excessive heat.
Incompatible Materials	Strong oxidizing agents.

8. Exposure Controls / Personal Protection

Engineering Controls	Provide adequate ventilation. Where dust is generated, use local exhaust ventilation.
Respiratory Protection	Use a dust mask (e.g. N95/P2) when dust levels are high.
Hand Protection	Protective gloves.
Eye Protection	Safety goggles or glasses.
Skin Protection	Protective work clothing.

9. Physical and Chemical Properties

Appearance	White crystalline powder
Odor	Characteristic
pH (1% solution)	2.0 – 4.0
Melting Point	Decomposes (approx. 184 – 186 °C)
Solubility in Water	Soluble
Bulk Density	0.4 – 0.7 g/cm³
Flash Point	Not applicable (solid)
Auto-ignition Temperature	Not applicable

10. Stability and Reactivity

Stability	Stable under normal storage and handling conditions.
Hazardous Polymerization	Will not occur.
Conditions to Avoid	Excessive heat, direct sunlight, moisture, strong oxidizing conditions.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	May release oxides of carbon and nitrogen under combustion.

11. Toxicological Information

Acute Toxicity	No significant acute toxicity expected under normal handling.
Skin / Eye Irritation	May cause mild irritation upon direct contact.
Chronic Effects	No known chronic health effects under recommended use conditions.
Relevant Routes of Exposure	Inhalation (dust), eye and skin contact, ingestion.

12. Ecological Information

Ecotoxicity	No significant ecotoxicity expected under normal use.
Mobility / Persistence	Natural substance expected to be biodegradable.
Environmental Precautions	Avoid discharge into waterways and environment.

13. Disposal Considerations

Dispose of waste and residues in accordance with local, regional and national regulations. Do not discharge into drains or the environment.

14. Transport Information

UN Number	Not regulated
UN Proper Shipping Name	Not regulated
Transport Hazard Class	Not classified as dangerous goods
Packing Group	None
Marine Pollutant	No
Special Provisions	Not applicable

15. Regulatory Information

This product is intended for food, nutritional, feed or cosmetic raw material use. It is not classified as hazardous under GHS and relevant national regulations. Users shall comply with applicable local, national and international regulations governing the use, handling and transportation of the substance.

16. Other Information

Date of Issue / Revision	___2026/03/03_____

Prepared by	Jiangsu Khonor Chemicals Co., Limited

Disclaimer	The information provided in this SDS is based on our current knowledge and is believed to be accurate. It is given in good faith for reference only and does not constitute a warranty or specification. Users should make their own assessment of the suitability of the product for their particular purpose.