XI'AN LAND NUTRA CO.,LTD
Room 1202, Building 1, Vanke Huizhi Center, No. 56, Xifeng Road,
Yanta District, Xi'an City, Shaanxi Province,China

MATERIAL SAFETY DATA SHEET

1. Identification of Substance

Product details: Hyaluronic Acid Powder (Cosmetic/Topical Grade)
Product Name/Synonyms: Sodium Hyaluronate, Hyaluronan, HA Sodium Salt
Chemical Name: (1->4)- β -D-Glucuronic acid-(1->3)- β -D-N-acetylglucosamine
CAS No.: 9067-32-7
EC No.: 618-619-0
Molecular Formula: (C14H21NO11)n
Supplier/Manufacturer Details: Xi'an Land Nutra Co., Ltd.
Address: 12th Floor, Vanke Huizhi Center, Yanta District, Xi'an City, Shaanxi, China
Email： sale01@landnutra.com

2. Hazards Identification

Classification (GHS): Not a hazardous substance or mixture.
Label Elements:
Signal Word: None required.
Hazard Statements: None.
Precautionary Statements: None based on classification.
Other Hazards:
May form combustible dust during processing.
Dry powder may cause mild respiratory tract irritation.

3. Composition/Information On Ingredients

Substance/Mixture: Substance
Chemical Name: Sodium Hyaluronate
Concentration: ≥ 95% (w/w)
Other Constituents: May contain trace moisture and residual alcohol or salts from production.

4. First Aid Measures

Inhalation: Move person to fresh air. If coughing or breathing difficulty occurs, keep at rest. If symptoms persist, seek medical attention.

Skin Contact: Wash thoroughly with soap and water. No special treatment normally required.

Eye Contact: Rinse immediately with plenty of water for at least 15 minutes. If irritation persists, consult a physician.

Ingestion: Rinse mouth. Drink plenty of water. Generally non-toxic, but ingestion of large amounts may cause gastrointestinal discomfort. If feeling unwell, seek medical advice.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Use extinguishing media appropriate for the surrounding fire (water, foam, CO2, dry chemical).

Specific Hazards Arising From The Substance:

May decompose upon heating, emitting toxic fumes (e.g., carbon monoxide, nitrogen oxides).

Potential for dust explosion when high concentrations of airborne dust are present and an ignition source exists.

Special Protective Equipment For Firefighters: Wear self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

Personal Precautions: Wear dust mask, protective goggles, and anti-static dust-proof clothing.

Environmental Precautions: Prevent material from spreading into the air or entering drains.

Methods For Containment And Cleanup: Collect spilled material using a wet cloth or a vacuum cleaner suitable for combustible dust (to minimize dust generation). Place in a closed container. Wash contaminated area with water.

7. Handling And Storage

Handling:

Avoid generating dust. Ensure adequate ventilation, especially in enclosed areas.

Use anti-static equipment to minimize static charge accumulation.

Wash hands thoroughly after handling.

Storage:

Store in a cool, dry, well-ventilated place.

Keep container tightly closed to protect from moisture.

Keep away from heat and sources of ignition.

Store separately from strong oxidizing agents.

8. Exposure Controls/Personal Protection

Engineering Controls: Use local exhaust ventilation where dust is generated.

Individual Protection Measures:

Respiratory Protection: Use a dust respirator (e.g., N95 type) if dust levels are significant.

Hand Protection: Wear protective gloves (e.g., nitrile or latex).

Eye Protection: Wear safety glasses or face shield.

Skin And Body Protection: Wear dust-proof overalls.

9. Physical And Chemical Properties

Appearance: White to off-white fibrous or powder.

Odor: Odorless or characteristic odor.

pH (1% Aqueous Solution): 6.0 – 7.5

Melting Point/Freezing Point: No sharp melting point; decomposes on heating.

Boiling Point: Not applicable.

Flash Point: Not applicable.

Upper/Lower Explosive Limits: Can form explosive dust-air mixtures. Specific data available upon request.

Solubility: Freely soluble in water. Insoluble in organic solvents (ethanol, acetone).

Relative Density: ~1.5 g/cm³ (powder)

10. Stability And Reactivity

Chemical Stability: Stable under normal conditions.

Conditions To Avoid: High temperatures, excessive humidity, direct sunlight.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Upon heating or combustion, may yield carbon monoxide, carbon dioxide, nitrogen oxides.

11. Toxicological Information

Acute Toxicity: Low acute toxicity via oral and dermal routes. LD50 (rat, oral) > 5000 mg/kg.

Skin Irritation/Corrosion: Generally considered non-irritating to skin.

Eye Irritation: Powder may cause mild mechanical irritation.

Respiratory Irritation: Inhalation of dust may cause irritation of the respiratory tract.

Sensitization: No known sensitizing effects.

Chronic Toxicity/Carcinogenicity: No specific data available. Not classified as a carcinogen.

12. Ecological Information

Ecotoxicity: Expected to have low aquatic toxicity.

Persistence And Degradability: Readily biodegradable.

Bioaccumulation Potential: Low potential for bioaccumulation due to high molecular weight and hydrophilicity.

Mobility In Soil: High mobility in water due to solubility.

13. Disposal Considerations

Product/Contaminated Packaging: Dispose of in accordance with local, regional, national, and international regulations. Incineration or landfill at licensed facilities. Do not flush into sewers or waterways.

14. Transport Information

UN Number: Not regulated.

Proper Shipping Name: Not dangerous goods.

Transport Hazard Class(es): Not classified as dangerous for transport.

Packing Group: Not applicable.

Environmental Hazards: No special requirements.

Special Precautions For User: Keep container dry and tightly sealed.

15. Regulatory Information

China Regulations: Not listed in the Catalog of Hazardous Chemicals. Regulated as a cosmetic ingredient or food additive.

EU Regulations: Not classified as hazardous per Regulation (EC) No 1272/2008 (CLP).

US Regulations: Generally Recognized As Safe (GRAS) for certain food uses. Widely used in cosmetics.

GHS Labeling: As per Section 2, no hazard label required.

16. Other Information

Disclaimer: The information provided in this Safety Data Sheet is based on our current knowledge and is intended for safety guidance only. No warranty, express or implied, including merchantability or fitness for a particular purpose, is made. It is the user's responsibility to ensure compliance with all applicable laws and regulations.