MATERIAL SAFETY DATA SHEET / SDS

Water-Soluble Avenanthramides (Dihydroavenanthramide D Monosodium Salt)

PH-XPNS 002 • Revision 1.1 • Issued 20 September 2026

1. Identification

Product identifier	Water-Soluble Avenanthramides / Dihydroavenanthramide D Monosodium Salt
Product code	PH-XPNS 002
Recommended use	Cosmetic ingredient for professional formulation and manufacturing use
Supplier	Shaanxi Pinhon Biotechnology Co., Ltd.
Address	Room 704, Unit 2, Building 1, I-Duhui, No. 11 Tangyan South Road, Yanta District, Xi'an, Shaanxi, China
Email	tech@pinhoningredients.com
Emergency contact	Albert Zhao | +86 173 0298 1616 | 09:00–18:00 China Standard Time (UTC+8) | Chinese / English

2. Hazard identification

GHS classification	Skin sensitization, Category 1 — conservative classification based on available parent-compound information
Signal word	Warning
Hazard statement	H317: May cause an allergic skin reaction.
Pictogram	GHS07 — exclamation mark
Other hazards	Dust may cause mechanical irritation. The product is not classified as flammable on current information; avoid combustible dust accumulation.

- P261 Avoid breathing dust.
- P280 Wear protective gloves and eye protection.
- P302+P352 IF ON SKIN: Wash with plenty of water and soap.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P501 Dispose of contents/container in accordance with applicable regulations.

3. Composition / information on ingredients

Substance	Dihydroavenanthramide D monosodium salt
Content	≥98.0% by HPLC
INCI	HYDROXYPHENYL PROPAMIDOBENZOIC ACID (current product documentation)
CAS information	Salt-form CAS not independently confirmed. Parent acid reference: 697235-49-7.
Individual impurity	≤1.0% in the current in-house specification
Other impurities	No impurity classified as hazardous has been identified from the currently available product information.

4. First-aid measures

General	Remove affected person from exposure. Show this SDS to medical personnel when advice is required.
Inhalation	Move to fresh air. Seek medical advice if coughing, discomfort or breathing difficulty persists.
Skin contact	Remove contaminated clothing. Wash with water and soap. If irritation or rash occurs, obtain medical advice.
Eye contact	Rinse cautiously with clean water for at least 15 minutes. Remove contact lenses if easy to do. Seek medical attention if irritation persists.
Ingestion	Rinse mouth. Do not induce vomiting. Obtain medical advice if unwell.
Most important effects	Possible allergic skin reaction. No product-specific acute-toxicity study was supplied.

5. Firefighting measures

Suitable media	Water spray, dry chemical, carbon dioxide or alcohol-resistant foam, selected for the surrounding fire.
Specific hazards	The product is not classified as flammable on current information. Organic powder and packaging may burn in a fire. Thermal decomposition may produce carbon oxides, nitrogen oxides and sodium-containing fumes.
Firefighter protection	Wear full protective equipment and self-contained breathing apparatus when required. Avoid dispersing powder.

6. Accidental release measures

Avoid dust formation and skin or eye contact. Provide ventilation. Collect mechanically using methods that minimize airborne dust and place in a labelled, closed container. Do not wash large quantities into drains or surface water.

7. Handling and storage

Handling	Use good industrial hygiene. Avoid breathing dust and direct contact. Wash hands after handling; do not eat, drink or smoke in the work area.
Storage	Keep tightly closed in a cool, dry, well-ventilated place, protected from light and moisture. Keep away from strong oxidizing agents.
Shelf life	24 months in unopened original packaging under recommended conditions.

8. Exposure controls / personal protection

Exposure limits	No occupational exposure limit established for this product.
Engineering controls	Use general or local exhaust ventilation where dust may be generated.
Eye protection	Safety glasses with side shields; goggles where dust exposure is possible.
Hand protection	Suitable chemical-resistant protective gloves; inspect before use.
Respiratory protection	Use an approved particulate respirator where ventilation does not adequately control dust.
Hygiene	Remove contaminated clothing, wash before reuse and clean work areas regularly.

9. Physical and chemical properties

Physical state / colour	Off-white powder
Odour / odour threshold	Characteristic; odour threshold not available
pH	No verified data available
Melting / freezing point	No verified data available for the supplied salt grade
Boiling point / range	Not applicable to normal use of a solid; no verified data available
Flammability	Not classified as flammable on current product information
Flash point	No verified data available
Explosion limits / auto-ignition	No verified data available; avoid airborne dust accumulation
Decomposition temperature	No verified data available
Solubility	Water-soluble; 5% test solution is colourless and clear
Partition coefficient	No verified data available for the supplied salt grade
Vapour pressure / density	No verified data available
Relative density / bulk density	No verified data available
Particle characteristics	Powder; 95% passing 80 mesh
Loss on drying	≤3.0% in the current in-house specification

10. Stability and reactivity

Reactivity	No hazardous reaction expected under recommended handling and storage conditions.
Chemical stability	Stable under recommended storage conditions based on current product information.
Hazardous reactions	No verified product-specific data available.
Conditions to avoid	Moisture, excessive heat, direct light and dust accumulation.
Incompatible materials	Strong oxidizing agents.
Decomposition products	Carbon oxides, nitrogen oxides and sodium-containing fumes may form during fire or strong heating.

11. Toxicological information

Acute toxicity	No product-specific acute-toxicity data supplied.
Skin corrosion / irritation	No product-specific data supplied.
Eye damage / irritation	Dust may cause mechanical irritation; no product-specific classification data supplied.
Sensitization	H317 is used conservatively because external information for the parent compound reports skin sensitization. Salt-grade confirmation is not available.
Mutagenicity / carcinogenicity / reproductive toxicity	No product-specific data supplied.
STOT / aspiration hazard	No product-specific data supplied; aspiration classification is not applicable to a solid powder under normal conditions.

12. Ecological information

No product-specific aquatic toxicity, persistence, degradability, bioaccumulation or soil-mobility data were supplied. Prevent uncontrolled release to drains, soil and surface water.

13. Disposal considerations

Dispose of product residues and contaminated packaging through an authorized waste contractor in accordance with local, regional and national requirements. Do not discharge bulk material to drains.

14. Transport information

UN number	Not assigned on currently available information
Proper shipping name	Not regulated as dangerous goods on currently available information
Transport class / packing group	Not assigned
Environmental hazards	No product-specific transport classification assigned
Special precautions	Keep packaging closed, dry and protected from damage. Confirm carrier and destination-market requirements before shipment.

15. Regulatory information

The current product documentation lists the INCI name HYDROXYPHENYL PROPAMIDOBENZOIC ACID. The supplied material is the monosodium salt form. Inventory status, cosmetic use, labelling and notification requirements must be reviewed for the actual material and destination market.

16. Other information

Revision	1.1
Issue date	20 September 2026
Reason for issue	Updated to align product specifications and physical data with PINHONBIO COA lot PHHPA26072501
Key reference basis	PINHONBIO COA lot PHHPA26072501; current PINHONBIO product information; PubChem / FDA GSRS parent-compound identity; Aladdin SDS H304430 (parent compound, revision 17 Jan 2024).
Abbreviations	GHS: Globally Harmonized System; HPLC: High-Performance Liquid Chromatography; STOT: Specific Target Organ Toxicity.

External parent-compound data support identity and a conservative sensitization warning; they do not constitute testing of the supplied monosodium salt. This SDS is a handling guide and does not replace site-specific risk assessment, batch documentation or legal advice.