Safety Data Sheet

PINHONBIO® Potassium Azeloyl Diglycinate

SDS / MSDS | Powder grade | General product specification | Version 1.0

1 Identification

Product identifier	PINHONBIO® Potassium Azeloyl Diglycinate (PAD) | Powder grade
INCI and CAS	POTASSIUM AZELOYL DIGLYCINATE | 477773-67-4
Recommended use	Raw material for professional cosmetic formulation.
Restrictions on use	Not for direct consumer use, ingestion or inhalation. Assess suitability in the finished cosmetic.
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
Contact	Albert Zhao | +86 173 0298 1616 | info@pinhoningredients.com | https://pinhoningredients.com/
Emergency contact	Albert Zhao | +86 173 0298 1616 | 09:00-18:00 China Standard Time (UTC+8), Chinese/English. Business-hours contact; not a 24-hour medical service.

2 Hazard identification

Hazard class	Category	Hazard statement
Skin irritation	2	H315 Causes skin irritation.
Eye irritation	2	H319 Causes serious eye irritation.



Warning | GHS07

Prevention: P264 Wash thoroughly after handling. P280 Wear protective gloves and eye / face protection. Avoid creating or breathing dust.

Response: P302+P352 IF ON SKIN: Wash with plenty of water. P332+P313 If skin irritation occurs: Get medical advice. P362+P364 Remove contaminated clothing and wash before reuse. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do; continue rinsing. P337+P313 If eye irritation persists: Get medical advice.

Other hazards: Dust may cause mechanical respiratory discomfort. Keep dry powder away from the eyes. Transportation as non-dangerous goods does not remove the skin and eye precautions above.

3 Composition and information on ingredients

Substance identity	CAS number	Quality grade
Potassium Azeloyl Diglycinate	477773-67-4	HPLC purity ≥98.0%

Technical-grade substance. Molecular formula C13H21KN2O6; molecular weight 340.41 g/mol. Assay specification: 98.0-102.0% on dried basis. The analytical upper limit is not a weight fraction of 102%. Moisture and process residues are controlled by the product specification; this sheet does not cover diluted or carrier-based PAD mixtures.

4 First aid measures

Inhalation: Move the person to fresh air and stop further exposure. Seek medical advice if cough, irritation or breathing discomfort persists; obtain urgent help for severe breathing difficulty.

Skin contact: Remove contaminated clothing. Wash the skin with soap and plenty of water. Obtain medical advice if redness or irritation persists. Wash clothing before reuse.

Eye contact: Immediately rinse gently with clean water for at least 15 minutes, keeping eyelids open. Remove contact lenses if easy and continue rinsing. Obtain medical advice for persistent discomfort, redness or visual changes.

Ingestion: Rinse the mouth. Do not induce vomiting unless instructed by a medical professional. Never give anything by mouth to an unconscious person. Contact a doctor or poison centre if unwell or after significant ingestion.

Symptoms and medical care: Skin redness and eye stinging or watering may occur. Airborne powder may irritate the nose or throat. Treat symptomatically and show this SDS to medical personnel.

5 Firefighting measures

Use water spray, foam, dry chemical or carbon dioxide suited to the surrounding fire. Avoid forceful jets that disperse powder. Heated decomposition may release carbon oxides, nitrogen oxides and other irritating fumes. Firefighters should use self-contained breathing apparatus and protective clothing. Contain contaminated runoff.

6 Accidental release measures

Restrict access and ventilate. Wear gloves, protective clothing and eye protection; use suitable respiratory protection where dust cannot be controlled. Avoid raising dust. Collect with a suitable dust-controlled vacuum or damp method into a labelled waste container. Keep the material and cleaning water out of drains, soil and surface water.

7 Handling and storage

Open and transfer gently using local extraction where necessary. Avoid skin and eye contact and airborne powder. Wash hands after handling and before breaks. Keep food and drinks out of the work area. Use clean equipment, prevent cross-contamination and reseal containers promptly.

Store in cool and dry places and keep away from strong light and heat. Keep tightly closed in compatible, dry packaging. Separate from strong oxidizing agents. Avoid moisture ingress and unnecessary exposure to air. Shelf life: 36 months unopened under recommended storage conditions.

8 Exposure controls and personal protection

Control parameters: No PAD-specific occupational exposure limit is identified in the reviewed reference SDS. Apply applicable local particulate limits and task-specific exposure assessment.

Engineering measures: Provide adequate ventilation and local dust extraction at weighing and charging points. Keep eyewash facilities available.

Personal protection: Wear chemical splash goggles, suitable protective gloves and clothing. If extraction does not adequately control airborne powder, use a certified particulate respirator selected for the assessed exposure and local requirements. Change contaminated gloves and clothing.

9 Physical and chemical properties

Physical state and appearance	Off-white to yellowish powder.
Odour and odour threshold	Characteristic; threshold not determined.
pH	4.5-7.5, measured on a 3% aqueous solution.
Solubility	Soluble in water.
Melting or freezing point	Not determined for this grade.
Boiling point or range	Not determined; not a liquid product.
Flammability	Product-specific flammability data not available.
Explosion limits	Not determined.
Flash point	Not applicable to the supplied solid.
Autoignition temperature	Not determined.
Decomposition temperature	Not determined.
Kinematic viscosity	Not applicable to the solid.
Partition coefficient n-octanol/water	Not determined.
Vapour pressure and relative vapour density	Not determined.
Density and bulk density	Not determined for this grade.
Particle characteristics	Particle size distribution not specified.
Molecular information	C13H21KN2O6 / 340.41 g/mol.

10 Stability and reactivity

Stable during recommended storage and handling. Avoid excessive heat, moisture and prolonged strong light. Strong oxidizers should be kept separate. No hazardous polymerization is expected under ordinary storage conditions. Fire or severe heating may generate irritating decomposition products.

11 Toxicological information

Likely exposure routes are skin and eye contact, inhalation of airborne powder and accidental ingestion. Skin and eye irritation are the identified classified hazards; handling precautions apply to the concentrated raw material.

Product-specific acute toxicity, sensitization, repeated-exposure toxicity, mutagenicity, carcinogenicity and reproductive-toxicity study reports are not supplied with this sheet. No numerical LD50, LC50 or safe exposure concentration is assigned to the PINHONBIO grade. Absence of a numerical result is not proof of absence of an effect.

12 Ecological information

No product-specific aquatic toxicity, degradation, bioaccumulation or soil-mobility data are supplied. PBT / vPvB and endocrine-disrupting properties have not been independently assessed for this grade. Prevent uncontrolled environmental release and dispose of residues appropriately.

13 Disposal considerations

Collect unused product, spill residues and contaminated packaging for an authorized waste handler according to local requirements. Do not discharge to drains. Keep waste containers closed and labelled. Empty containers can retain powder; clean appropriately before any permitted recycling.

14 Transport information

Transport status	Non-dangerous goods.
UN number or ID number	Not assigned.
UN proper shipping name	Not applicable.
ADR and RID road or rail	Not regulated as dangerous goods.
IMDG sea	Not regulated as dangerous goods.
IATA and ICAO air	Not regulated as dangerous goods.
Transport hazard class	Not assigned.
Packing group	Not assigned.
Marine pollutant	No.
Special precautions	Use tightly sealed inner packaging within protective outer packaging. Protect from moisture, strong light, heat and damage.
Maritime transport in bulk	Not intended for bulk chemical transport.

Transport assessment follows available PAD powder reference information and applies to the stated substance grade. Workplace skin and eye irritation classifications remain applicable.

15 Regulatory information

Prepared in the GHS 16-section format. INCI name: POTASSIUM AZELOYL DIGLYCINATE. The presence of an INCI name does not itself certify permitted use, inventory registration or finished-product compliance in every destination market. Apply relevant local cosmetic, workplace and transport requirements.

16 Other information

Issue date: 14 Oct 2026 | Version: 1.0 | Prepared for Shaanxi Pinhon Biotechnology Co., Ltd..

Scope: General SDS / MSDS for PAD powder. It contains standing product information and no batch-specific test results. Dry-basis assay was confirmed by the supplier. Review this sheet if the composition, physical form or safety information changes.

Classification basis: Public PAD powder safety information supports Skin Irrit. 2 (H315), Eye Irrit. 2 (H319), GHS07 and the signal word Warning. The reference transport classification is non-dangerous goods. Other manufacturers' tests, registrations and compliance statements are not represented as PINHONBIO test results.

CORUM Azeclair P powder SDS, version 6, revised 24 Apr 2024. View source

PubChem PAD chemical identity. View source

COSMILE Europe INCI record. View source

References accessed 14 Oct 2026. GHS: Globally Harmonized System; HPLC: high-performance liquid chromatography; PBT / vPvB: persistent, bioaccumulative and toxic / very persistent and very bioaccumulative. This sheet supports safe handling and is not a guarantee of finished-product performance.