SAFETY DATA SHEET

PINHONBIO® Oat Kernel Extract

1. Identification

Product identifier	PINHONBIO® Oat Kernel Extract
Recommended use	Cosmetic formulation ingredient for professional use.
Supplier	Shaanxi Pinhon Biotechnology Co., Ltd. Room 704, Unit 2, Building 1, I-Duhui, No. 11 Tangyan South Road, Yanta District, Xi'an, Shaanxi, China
Technical contact	+86 198 2930 0704 | tech@pinhoningredients.com
Emergency contact	+86 173 0298 1616 | 09:00–18:00 China Standard Time (UTC+8). Outside these hours, contact local emergency services.

2. Hazards identification

Classification The available information on the ingredients and the powder mixture does not indicate a GHS physical, health or environmental hazard category.

GHS label elements No pictogram, signal word or hazard statement is assigned under this classification.

Dust hazard Dispersed powder may form an explosible dust cloud in air. Keep dust away from flames, sparks and other ignition sources. Airborne dust may cause temporary discomfort in the eyes, nose or throat.

3. Composition and information on ingredients

Mixture of a botanical extract and a carbohydrate carrier.

Ingredient (INCI)	Identity and role
Maltodextrin	Carbohydrate carrier, CAS 9050-36-6.
Avena Sativa (Oat) Kernel Extract	Extract of the kernel of Avena sativa L., containing the natural markers avenanthramides A, B and C.

HPLC markers in the oat extract: avenanthramide A = AF-1 (2p), B = AF-2 (2f), and C = AF-6 (2c). Their combined concentration in the finished powder is ≥205 ppm (mg/kg). The individual extract and carrier proportions are not specified.

4. First aid measures

Inhalation Move to fresh air. Seek medical attention if coughing persists or if breathing is difficult.

Skin Remove contaminated clothing. Wash exposed skin with soap and water. Seek medical attention if irritation persists.

Eyes Rinse gently with clean water for several minutes. Remove contact lenses if easy to do and continue rinsing. Obtain medical attention if symptoms persist.

Ingestion Rinse the mouth. Do not induce vomiting. Seek advice if unwell. Give nothing by mouth to an unconscious person.

Medical attention Treat symptoms. Wheezing, difficulty breathing or persistent eye pain warrants prompt medical assessment. Identify the powder as an oat-derived preparation.

5. Firefighting measures

Extinguishing media Use water spray, foam, dry powder or carbon dioxide appropriate for the surrounding fire. Avoid a forceful water jet that can disperse settled powder.

Specific hazards Airborne dust may ignite or explode. Disturbing settled dust during a fire can create a second dust cloud. Burning organic material may release smoke and carbon oxides.

Protection for firefighters Wear self-contained breathing apparatus and protective clothing. Cool exposed closed containers with water spray where safe.

6. Accidental release measures

Restrict access and ventilate the area. Remove ignition sources where safe. Avoid raising dust and wear the protection described in Section 8. Collect gently with a scoop or a vacuum suitable for combustible dust. Place residues in a closed, labelled container. Keep powder and wash water out of drains and waterways.

7. Handling and storage

Handling Provide local exhaust when weighing and transferring powder. Minimise drop heights and dust accumulation. Avoid compressed-air cleaning. Control static discharge during bulk transfers.

Storage Keep in tightly closed original packaging in a cool, dry place protected from light and moisture. Close the inner liners after use.

8. Exposure controls and personal protection

Exposure limits No occupational exposure limit specific to the finished mixture has been identified. Apply workplace limits for airborne dust as appropriate.

Engineering controls Use local extraction at the point of dust release. Select dust collection equipment suitable for the powder and the assessed explosion risk.

Bulk transfer Bond and ground conductive transfer equipment. Minimise free fall when emptying bags into a hopper. Remove settled powder from ledges and equipment before it can be dispersed.

Personal protection Wear safety glasses or dust goggles, protective gloves and work clothing. If airborne dust cannot be controlled adequately by ventilation, use a properly fitted particulate respirator selected for the exposure.

Hygiene Wash hands after handling. Keep food and drinks outside the work area.

9. Physical and chemical properties

Physical state, colour and odour	Off-white powder with a characteristic odour.
Water solubility	Soluble in water. Quantitative solubility at a defined temperature has not been established.
Particle characteristics	98% passes an 80-mesh sieve.
pH and bulk density	No measured values available for this grade.
Flash point and kinematic viscosity	Not applicable to the supplied solid.
Dust explosion parameters	No measured Kst, maximum explosion pressure, minimum ignition energy or minimum explosible concentration is available for this powder.
Thermal and other properties	Melting, boiling, autoignition and decomposition temperatures, vapour pressure and partition coefficient are undetermined for the mixture.

10. Stability and reactivity

Stable under recommended storage and handling conditions. Avoid ignition sources, suspended dust clouds and excessive heat. No specific incompatible materials or hazardous reactions have been identified under normal use. See Section 5 for combustion products.

11. Toxicological information

Likely occupational exposure routes include inhalation of dust and contact with the eyes or skin. Dust may cause transient mechanical discomfort. Numerical acute toxicity values for the finished mixture are unavailable.

Available information does not support classification for acute toxicity, skin or eye damage or irritation, sensitisation, mutagenicity, carcinogenicity, reproductive toxicity, target-organ toxicity or aspiration hazard. Quantitative mixture-specific data for these endpoints are unavailable.

12. Ecological information

Mixture-specific data on aquatic toxicity, degradation, bioaccumulation and mobility in soil are unavailable. Avoid release to surface water and drains. No PBT, vPvB or endocrine-disrupting property assessment is available for the finished preparation.

13. Disposal considerations

Place unusable product and contaminated liners in closed, labelled waste containers. Arrange disposal through an authorised waste contractor in accordance with local requirements. Recycle clean outer packaging where accepted.

14. Transport information

Road (ADR), sea (IMDG), air (IATA)	Not regulated as dangerous goods in the supplied packaged form on the available composition and safety information.
UN number / proper shipping name	Not assigned.
Transport hazard class / packing group	Not assigned.
Environmental hazards	No marine pollutant classification identified.
Transport precautions	Keep both inner liners sealed and protect the outer package against puncture and moisture. Maritime transport in bulk is not applicable to this packaged powder.

15. Regulatory information

This sheet uses the 16-section GHS format for industrial handling of a cosmetic raw material. Workplace dust control, waste management and cosmetic ingredient requirements depend on the country of use. A chemical safety assessment for the finished preparation is unavailable.

16. Other information

Preparation date 21 November 2026

Information sources PINHONBIO product specification and composition information, technical and safety data for the corresponding oat extract preparation, and OSHA guidance on combustible dust.

OSHA guidance: www.osha.gov/combustible-dust