品鸿生物科技
Pinhon Biotechnology

SAFETY DATA SHEET

PINHONBIO® Scutellaria Baicalensis Root Extract - Baicalin 80%

1. Identification

Product identifier	PINHONBIO® Scutellaria Baicalensis Root Extract - Baicalin 80%
INCI name	SCUTELLARIA BAICALENSIS ROOT EXTRACT
Product description	Baicalin-enriched, water-soluble botanical root extract; cosmetic grade
Recommended use	Cosmetic raw material for professional formulation
Restrictions on use	Not for direct consumer use. Finished-product suitability and compliance must be assessed by the formulator.
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
Website / email	https://pinhoningredients.com/ | info@pinhonbio.com
Emergency contact	Albert Zhao, +86 173 0298 1616; 09:00-18:00 China Standard Time; Chinese/English

2. Hazard Identification

GHS classification	Skin irritation, Category 2; Eye irritation, Category 2; Specific target organ toxicity - single exposure, Category 3 (respiratory tract irritation).
Signal word	Warning
Pictogram	GHS07 - Exclamation mark
Hazard statements	H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation.
Other hazards	Fine botanical powder can form airborne dust. Avoid dust accumulation and ignition sources even though the product is not classified as a flammable solid.

Precautionary advice: Avoid breathing dust. Wash thoroughly after handling. Use with adequate ventilation. Wear protective gloves and eye protection. If inhaled, move the person to fresh air. If in eyes, rinse cautiously with water for several minutes. Obtain medical advice if irritation persists.

3. Composition and Information on Ingredients

Component	CAS / EC	Concentration	Classification
Baicalin	21967-41-9 / 606-866-1; 633-784-3	>=80.0%	Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335
Scutellaria baicalensis root-extract matrix	94279-99-9 / 304-845-9	Balance to 100%; normally about 20%	No additional classification established on available information

The exact balance varies because baicalin is controlled as a minimum assay. The root-extract matrix includes naturally occurring non-baicalin constituents and permitted trace constituents within the product specification.

4. First Aid Measures

Inhalation	Move to fresh air and keep at rest. Obtain medical advice if coughing, breathing difficulty or

	irritation persists.
Skin contact	Remove contaminated clothing. Wash with plenty of soap and water. Obtain medical advice if irritation persists.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Obtain medical advice if irritation persists.
Ingestion	Rinse mouth. Do not induce vomiting unless directed by medical personnel. Obtain medical advice if unwell.
Most important effects	May cause skin and serious eye irritation. Dust may irritate the respiratory tract.
Advice to physician	Treat symptomatically.

5. Fire Fighting Measures

Suitable extinguishing media	Water spray, foam, dry chemical or carbon dioxide, selected for the surrounding fire.
Specific hazards	Not classified as a flammable solid. Organic botanical powder may burn under strong heating. Suspended dust may present a fire or explosion risk at sufficient concentration.
Combustion products	Carbon monoxide and carbon dioxide may form during combustion.
Firefighter protection	Wear self-contained breathing apparatus and full protective equipment for a significant fire.

6. Accidental Release Measures

- Keep unnecessary personnel away. Ventilate the area and avoid breathing dust.
- Wear suitable gloves, protective clothing and eye protection. Use particulate respiratory protection when dust cannot be controlled.
- Prevent uncontrolled entry into drains, surface water and soil.
- Collect by filtered vacuum or careful sweeping that minimizes dust. Place in a closed, labeled container for reuse or disposal.
- Wash the affected area after recovery. Avoid dry compressed-air cleaning.

7. Handling and Storage

Safe handling	Avoid dust generation and contact with skin and eyes. Provide local exhaust during bulk transfer. Do not eat, drink or smoke in the handling area.
Storage	Keep tightly closed in a cool, dry and shaded place. Protect from direct sunlight, heat, moisture and contamination.
Incompatible materials	Strong oxidizing agents.
Shelf life	24 months in unopened original packaging when stored as recommended.

8. Exposure Controls and Personal Protection

Occupational limits	No substance-specific occupational exposure limit was identified in the information reviewed.
Engineering controls	Provide general ventilation and local exhaust where dust may form.
Respiratory protection	Use an approved particulate respirator when ventilation does not adequately control airborne dust.
Hand protection	Wear protective gloves suitable for the task and exposure duration.
Eye protection	Safety glasses with side shields; use goggles for dusty operations.

Skin protection	Protective work clothing appropriate to the scale of handling.
Hygiene measures	Wash hands after handling and before breaks. Launder contaminated clothing before reuse.

9. Physical and Chemical Properties

Physical state	Powder
Color	Pale yellow to brownish-yellow
Odor / taste	Characteristic; mild taste and slightly bitter
Baicalin formula / weight	C21H18O11 / 446.36 g/mol
Water solubility	Water-soluble / water-dispersible grade
pH	No supplier-specific value available
Melting point	Not applicable to the botanical mixture; baicalin reference values should not be treated as product specifications
Flash point	Not applicable to the supplied solid
Flammability	Not classified as a flammable solid
Vapor pressure	Negligible / not applicable to the supplied solid

10. Stability and Reactivity

Reactivity	No hazardous reaction expected under recommended handling conditions.
Chemical stability	Stable under recommended storage conditions.
Hazardous reactions	No hazardous polymerization expected.
Conditions to avoid	Moisture, excessive heat, direct sunlight, dust accumulation and ignition sources.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition	Carbon monoxide and carbon dioxide may form during combustion.

11. Toxicological Information

Acute toxicity	No product-specific acute toxicity values are available. No acute-toxicity classification is assigned on the information reviewed.
Skin irritation	Classified as Skin Irritation Category 2 based on public baicalin GHS notification records.
Eye irritation	Classified as Eye Irritation Category 2 based on public baicalin GHS notification records.
Respiratory effects	Dust may cause respiratory irritation; classified as STOT SE Category 3 for respiratory tract irritation.
Sensitization	No product-specific data sufficient for classification were identified.
Mutagenicity	No product-specific data sufficient for classification were identified.
Carcinogenicity / reproductive toxicity	No product-specific data sufficient for classification were identified.

Aspiration hazard	Not applicable to the supplied solid.

12. Ecological Information

Ecotoxicity	No product-specific aquatic toxicity values are available. No aquatic hazard classification is assigned on the information reviewed.
Persistence / degradability	No product-specific data available.
Bioaccumulative potential	No product-specific data available.
Mobility in soil	No product-specific data available.
Other effects	Avoid uncontrolled environmental release.

13. Disposal Considerations

Dispose of surplus material, spill residues and contaminated packaging through a licensed waste contractor in accordance with local regulations. Do not discharge large quantities to drains or the environment.

14. Transport Information

UN number	Not assigned
ADR / RID	Not regulated as dangerous goods
IMDG	Not regulated as dangerous goods
IATA / ICAO	Not regulated as dangerous goods
Transport class / packing group	Not assigned
Environmental hazards	Not classified as a marine pollutant on available information
Special precautions	Keep packaging dry, tightly closed and protected from heat and physical damage. Confirm current carrier requirements before shipment.

15. Regulatory Information

Cosmetic ingredient identity	INCI: SCUTELLARIA BAICALENSIS ROOT EXTRACT; root extract CAS 94279-99-9. Baicalin marker CAS 21967-41-9.
GHS status	Product classification is based on the high baicalin content and public ECHA-linked notification records for baicalin.
Cosmetic use	The customer is responsible for confirming the applicable ingredient name, use conditions and finished-product compliance in each destination market.
Chemical safety assessment	No supplier-specific chemical safety assessment is included with this document.

16. Other Information

Issue date / version	30 Sep 2026 / Version 1.0
Prepared by	Shaanxi Pinhon Biotechnology Co., Ltd.
Hazard statement text	H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory

	irritation.
Information basis	Supplied product COA; PubChem and ECHA-linked baicalin identity and classification records; CosIng ingredient information; CIR safety assessment for Scutellaria baicalensis-derived ingredients.

Disclaimer: This SDS is based on the supplied product specification and information available on the issue date. It provides guidance for occupational handling, storage, transport and disposal and is not a warranty or finished-product safety assessment. Users must evaluate their own process, exposure and regulatory obligations.