SAFETY DATA SHEET

PINHONBIO® Bakuchiol 99%

1. Identification

Product identifier	PINHONBIO® Bakuchiol 99%
INCI	BAKUCHIOL
Chemical name	4-[(1E,3S)-3-ethenyl-3,7-dimethylocta-1,6-dienyl]phenol
CAS / EC	10309-37-2 / 685-515-4
Recommended use	Cosmetic raw material for professional formulation
Restrictions on use	Not for direct consumer use. Finished-product suitability and market 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	https://pinhoningredients.com/
Emergency contact	Albert Zhao, +86 173 0298 1616; 09:00-18:00 China Standard Time; Chinese/English

2. Hazard Identification

GHS classification	Hazardous to the aquatic environment, Acute Category 1; Chronic Category 1.
Pictogram	GHS09 - Environment
Signal word	Warning
Hazard statement	H410: Very toxic to aquatic life with long lasting effects.
Precautionary statements	P273: Avoid release to the environment. P391: Collect spillage. P501: Dispose of contents/container in accordance with applicable regulations.
Other hazards	Not classified as flammable. Contact with the concentrated material may cause irritation. Prevent uncontrolled environmental release.

3. Composition and Information on Ingredients

Component	CAS / EC	Formula / molecular weight	Concentration	GHS classification
Bakuchiol	10309-37-2 / 685-515-4	C18H24O / 256.38 g/mol	>=98.0%	Aquatic Acute 1, H400; Aquatic Chronic 1, H410

4. First Aid Measures

Inhalation	Move to fresh air. Keep at rest. Obtain medical advice if symptoms persist.
Skin contact	Remove contaminated clothing. Wash thoroughly with soap and water. Obtain medical advice if irritation develops.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if easy to do and 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	No specific acute health effects are established for this supplied grade. Irritation may occur after direct contact.
Advice to physician	Treat symptomatically.

5. Fire Fighting Measures

Suitable extinguishing media	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide, selected for the surrounding fire.
Specific hazards	Not classified as flammable. Heating or combustion may generate irritating fumes and carbon oxides.
Flash point	Approximately 184°C, based on published ECHA-linked supplier data.
Protective equipment	Wear self-contained breathing apparatus and full protective equipment for a significant fire.
Environmental precautions	Prevent contaminated firefighting water from entering drains or natural waters.

6. Accidental Release Measures

- Wear suitable gloves and eye protection. Ventilate the area and avoid direct contact.
- Prevent entry into drains, surface water and soil. The material is very toxic to aquatic life with long lasting effects.
- Contain the spill and absorb with sand, vermiculite or another inert absorbent. Place in a labeled container for disposal.
- Wash the affected area after recovery without allowing wash water to enter the environment.

7. Handling and Storage

Safe handling	Use good industrial hygiene. Avoid contact with eyes and skin. Do not eat, drink or smoke in handling areas.
Storage conditions	Keep in the original tightly closed container in a cool, dry, well-ventilated place. Protect from light, heat and air.
Recommended range	Controlled room temperature, preferably 10-30°C for the supplied cosmetic grade.
Incompatibilities	Strong oxidizing agents and strong bases, including sodium hydroxide and potassium hydroxide.
Shelf life	24 months in unopened original packaging when stored as recommended.

8. Exposure Controls and Personal Protection

Occupational limits	No product-specific occupational exposure limit established.
Engineering controls	Provide adequate general ventilation. Use local exhaust where mist or vapor may be generated.
Eye protection	Safety glasses with side shields; use chemical goggles where splashing is possible.
Hand protection	Chemical-resistant gloves suitable for the duration and conditions of contact.
Skin protection	Protective work clothing as appropriate for bulk handling.
Respiratory protection	Normally not required with adequate ventilation. Use an approved organic-vapor respirator if risk assessment indicates.
Environmental controls	Use containment measures to prevent release to drains and surface water.

9. Physical and Chemical Properties

Physical state	Oily liquid
Color	Light red; batch specification
Odor	Characteristic
Molecular formula / weight	C18H24O / 256.38 g/mol
pH	Not applicable / not determined
Melting or freezing point	Not determined
Boiling point	>260°C, published ECHA-linked data
Flash point	Approximately 184°C
Flammability	Not classified as flammable
Water solubility	Insoluble; oil-soluble
Density	Approximately 0.969 g/cm³ at 20°C
Log Kow	Approximately 5.09
Explosive properties	Not expected to present an explosion hazard

10. Stability and Reactivity

Reactivity	No dangerous reaction expected under recommended handling and storage conditions.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Excessive heat, prolonged light exposure, air exposure and uncontrolled environmental release.
Incompatible materials	Strong oxidizing agents and strong bases. Metal ions may cause discoloration.
Hazardous decomposition	Carbon monoxide, carbon dioxide and irritating organic fumes may form on combustion.

11. Toxicological Information

Acute toxicity	Available information is insufficient to classify the supplied grade for acute toxicity.
Skin corrosion or irritation	Not classified on available data. Prolonged or repeated contact with the concentrate may cause irritation.
Serious eye damage or irritation	Not classified on available data. Direct contact may cause transient irritation.
Respiratory or skin sensitization	Not classified on available data.
Mutagenicity / carcinogenicity / reproductive toxicity	No supplier-specific data available sufficient for classification.
STOT / aspiration hazard	No data available sufficient for classification.

12. Ecological Information

Aquatic hazard	Very toxic to aquatic life with long lasting effects; Aquatic Acute 1 and Aquatic Chronic 1.
Persistence and degradability	No product-specific data available in the supplied batch certificate.
Bioaccumulation	Log Kow approximately 5.09 indicates potential for bioaccumulation; avoid environmental release.
Mobility in soil	No data available.
PBT / vPvB	Published supplier SDS information indicates the substance does not meet PBT or vPvB criteria.
Other effects	Prevent entry into waterways, drains and soil.

13. Disposal Considerations

Product disposal	Dispose through a licensed waste contractor in accordance with applicable local and national regulations. Do not discharge to drains or waterways.
Contaminated packaging	Empty completely and dispose or recycle only where permitted. Treat residues as product waste.

14. Transport Information

UN number	UN 3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bakuchiol)
Transport hazard class	9
Packing group	III
Marine pollutant	Yes
ADR / IMDG / IATA	UN 3082, Class 9, Packing Group III; confirm current carrier and quantity-specific requirements before shipment.
Special precautions	Keep containers tightly closed, upright and protected from heat and physical damage. Prevent environmental release.

15. Regulatory Information

EC identity	EC 685-515-4; CAS 10309-37-2.
GHS / CLP classification	Aquatic Acute 1 and Aquatic Chronic 1; H410 label statement.
Cosmetic use	INCI: BAKUCHIOL. The customer must confirm permitted use levels, labeling 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 statements	H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.
Basis	Supplied Bakuchiol batch certificate; PubChem and ECHA identity/classification information; current Bakuchiol supplier SDS and technical information.