SAFETY DATA SHEET

PINHONBIO® 4-Butylresorcinol

1. Identification

Product identifier	PINHONBIO® 4-Butylresorcinol | CAS 18979-61-8
Recommended use	Cosmetic ingredient for industrial formulation.
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
Telephone / email	+86 19829300704 | tech@pinhoningredients.com
Emergency contact	+86 173 0298 1616 | 09:00–18:00 China Standard Time (UTC+8). For an urgent exposure, contact local emergency services or a poison centre.

2. Hazard identification

GHS classification Acute oral toxicity (Category 4), skin irritation (Category 2), eye irritation (Category 2) and acute aquatic toxicity (Category 1).



Warning

H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.

Prevention Wash hands after handling. Do not eat, drink or smoke while using the material. Wear protective gloves and eye protection. Avoid environmental release.

Response If swallowed, rinse the mouth and call a poison centre or doctor if unwell. If on skin, wash with plenty of water. If in eyes, rinse cautiously for several minutes and remove contact lenses if easy to do. Seek medical advice for persistent irritation. Collect spillage.

Other hazards Fine dust dispersed in air can present a combustible dust hazard. Dust explosibility parameters have not been measured for this grade.

3. Composition and information on ingredients

Substance / INCI	CAS number	Purity specification
4-Butylresorcinol / 4-BUTYLRESORCINOL	18979-61-8	≥99% by HPLC

Molecular formula $C_{10}H_{14}O_2$. Molar mass 166.22 g/mol. Specified impurity: resorcinol (CAS 108-46-3), ≤0.2%.

4. First-aid measures

Inhalation Move the person to fresh air. Obtain medical advice if coughing or breathing difficulty persists. Call emergency services if breathing is difficult.

Skin Remove contaminated clothing and wash the affected area thoroughly with water. Seek medical advice if irritation develops. Wash clothing before reuse.

Eyes Rinse immediately with clean water for several minutes, holding eyelids apart. Remove contact lenses if easy to do and continue rinsing. Seek medical attention if irritation persists.

Ingestion Rinse the mouth. Do not induce vomiting. Call a poison centre or physician if the person feels unwell. Give nothing by mouth to an unconscious person.

Symptoms and treatment Skin redness, discomfort, tearing and eye irritation may occur. Treat according to the symptoms and route of exposure.

5. Firefighting measures

Use water spray, foam, dry chemical or carbon dioxide as appropriate for the surrounding fire. Avoid a solid water jet that may spread powder. Combustion may produce carbon monoxide and carbon dioxide. Firefighters should wear protective clothing and self-contained breathing apparatus. Retain contaminated firefighting water.

6. Accidental release measures

Restrict access. Ventilate and avoid raising dust. Use the protection in Section 8. Cover nearby drains, collect dry material gently and transfer it to a sealed, labelled waste container. Prevent wash water and residues from reaching drains or surface water.

7. Handling and storage

Use local exhaust when opening liners or weighing crystals. Avoid contact with eyes and skin. Keep powder away from ignition sources and prevent dust accumulation. Store tightly closed in a cool, dry place protected from light, separated from strong oxidising agents.

8. Exposure controls and personal protection

Exposure control A substance-specific workplace exposure limit for 4-butylresorcinol has not been established in the sources cited. Apply any local occupational limits, including those for resorcinol where relevant. Use extraction at points of dust release.

Personal protection Wear chemical splash goggles, protective gloves selected for the task and protective clothing. Use a fit-tested particulate respirator if dust exposure cannot be adequately controlled. Provide access to an eyewash and handwashing facilities.

9. Physical and chemical properties

Physical state / appearance / odour	Solid, white crystals with a characteristic odour.
Melting range	49–53 °C (product specification).
Flammability	Combustible organic solid. Avoid dust clouds.
Other properties	Grade-specific data are unavailable for boiling point, flash point, autoignition or decomposition temperature, density, vapour pressure, solubility, partition coefficient, particle size and explosive limits. Kinematic viscosity and pH of the dry solid are inapplicable.

10. Stability and reactivity

Stable under the recommended storage conditions. Avoid strong oxidising agents, prolonged light exposure, excessive heat and airborne dust near ignition sources. Burning can release carbon monoxide and carbon dioxide.

11. Toxicological information

Harmful if swallowed. Contact may irritate the skin and cause serious eye irritation. Workers may be exposed through dust inhalation, accidental ingestion or direct contact. Quantitative oral, dermal and inhalation toxicity values for this grade are unavailable.

The available evidence does not support additional classification for sensitisation, mutagenicity, carcinogenicity, reproductive toxicity, specific target organ toxicity or aspiration hazard.

12. Ecological information

Very toxic to aquatic organisms following short-term exposure. Prevent releases to drains, soil and water. Grade-specific data on persistence, degradability, bioaccumulation, mobility in soil and long-term aquatic effects are unavailable.

13. Disposal considerations

Collect unused product, contaminated liners and cleanup residues in labelled containers. Arrange disposal through an authorised hazardous-waste contractor under applicable local requirements. Do not discharge into drains.

14. Transport information

Modes	Road (ADR), sea (IMDG) and air (ICAO/IATA)
UN number	UN 3077
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (4-butylresorcinol)
Transport class / packing group	9 / III
Environmental hazards	Environmentally hazardous. Marine pollutant under IMDG.
Precautions	Protect packages against breakage and moisture. Determine any packaging-specific exception for the actual consignment. Maritime bulk carriage is not intended.

15. Regulatory information

This sheet describes occupational handling of the cosmetic raw material using the GHS format. Requirements for workplace labelling, transport and use in finished cosmetics depend on the destination market. A product-specific chemical safety assessment is unavailable.

16. Other information

Prepared 21 November 2026. Classification references: Carl Roth, 4-n-Butylresorcinol, article 2E9X, English SDS dated 29 August 2025. Identity and molecular data: NIH PubChem, CID 205912. Product limits: PINHONBIO cosmetic-grade 4-butylresorcinol specification.