



Material Safety Data Sheet

1. Identification of the substance and of the company

Product Name	Bilberry Extract
Company	XI'AN HAOTIAN BIO-ENGINEERING TECHNOLOGY CO., Ltd
Telephone	86-29-88324612
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2. Hazards identification

Classification of the substance or mixture, According to Regulation (EC)No 1272/2008.

This substance is not classified as dangerous according to GHS regulation (EC No1272/2008)

3. Composition/information on ingredients

Active substance: Anthocyanidin-3-galactoside、Anthocyanidin-3-arabofuranoside etc.

Formula: Anthocyanidin-3-galactoside OH Gal $C_{21}H_{21}O_{11}$

Anthocyanidin-3-arabofuranoside OH Ara $C_{20}H_{19}O_{10}$

4. Emergency and First Aid Procedures

Effects of Overexposure: May cause skin irritation.

May be harmful if absorbed through skin.

May cause eye irritation.

May be harmful if inhaled / swallowed.



First Aid Procedures: In case of contact, immediately wash skin with soap and copious amounts of water.

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

inhaled, If irritation occurs, seek medical attention

If breathing becomes difficult, call a physician.

If ingestion, first aid not normally required

5. Fire-fighting measures

Extinguishing Methods : Water spray. Carbon Dioxide. Dry Chemical powder or appropriate foam.

Special Fire Fighting procedures :Wear self-contained breathing apparatus and protective clothing to prevent contact within skin and eyes.

6. Accidental Release Measures

Use personal protection equipment.

Ensure product is picked up and disposed correctly.

Do not let the product enter drains.

Steps to Be Taken in Case Material Is Released or Spilled: Sweep up avoiding raising dust.

Place in a bag and hold for waste disposal.

Waste Disposal Method: Dispose in normal solid waste disposal in accordance with local state and federal regulations.

7. Precautions for Safe Handling and Storage

Avoid prolonged or repeated exposure.



Keep tightly closed.

Store in a cool dry place.

8. Personal protection

Wash thoroughly after handling.

Do not breathe dust.

Do not get in eyes, on skin, on clothing.

Avoid contact with eyes and do not breathe in large amounts

Respiratory Protection Required – respirator

Eye Protection Required – safety glasses

Gloves Not required – wash hands after contact with water

9. Physical and Chemical Properties (Typical)

Form: Powder

Color: Red brown to Dark purple

Odour: A special odor

10. Reactivity Data

Stability: Stable

Incompatibilities: Strong oxidizing agents

Hazardous polymerization: Will not occur

11. Toxicological Information

No data available



12. Ecological Information

No ecological problems are to be expected when the product is handled and used with care and attention

13. Disposal considerations

Must be disposed of in accordance with local regulations

14. Transport Information

Not dangerous goods

15. Regulatory Information

This product is not dangerous or hazardous

16. Other Information

This advice is given by Xi'an Hao Tian Bio-engineering Technology Co., Ltd. who accepts no legal liability for it. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties..