

Quercetin Dihydrate

1. Identification

Product	Quercetin Dihydrate
CAS No.	6151-25-3
Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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2. Hazard Identification

Obtain special handling instructions. Wear gloves and eye protection. Do not eat, drink or smoke while handling. Store locked away. Seek urgent medical assistance after ingestion or suspected exposure.

Classification	Acute oral toxicity, category 3; germ cell mutagenicity, category 2.
Signal word	Danger
Hazard pictograms	GHS06, GHS08
Hazard statements	H301: Toxic if swallowed. H341: Suspected of causing genetic defects.

3. Composition / Information on Ingredients

Product identity	Quercetin Dihydrate
CAS No.	6151-25-3
Physical form	Yellow powder
Grade	According to the selected technical specification.

4. First-Aid Measures

Arrange immediate medical attention after swallowing; rinse the mouth and do not induce vomiting. Move an exposed person to fresh air after inhalation. Flush affected eyes with water and wash contaminated skin thoroughly.

5. Fire-Fighting Measures

- Suitable extinguishing media: Water spray, foam, dry chemical or carbon dioxide. - Specific hazards: Organic powders/extracts may burn under fire conditions. Dust clouds may present explosion risk in severe airborne-dust conditions. - Hazardous combustion products: Carbon oxides, nitrogen oxides and irritating smoke; sulfur or phosphorus oxides may form for some ingredients. - Protective equipment: Firefighters should wear self-contained breathing apparatus and protective clothing.

6. Accidental Release Measures

- Avoid creating airborne dust. Use vacuum equipment suitable for fine powders or gentle sweeping methods.
- Wear eye protection and dust mask/particulate respirator where airborne powder may form.
- Prevent large quantities from entering drains or surface water.
- Collect in clean labelled containers if uncontaminated. Dispose of contaminated material according to local rules.

7. Handling and Storage

Restrict handling to trained personnel and prevent airborne dust. Keep in a cool, dry place. Keep the container closed and stored in a secured area.

8. Exposure Controls / Personal Protection

- Engineering controls: General ventilation is normally sufficient; use local exhaust for dusty operations.
- Respiratory protection: Use approved particulate/dust mask or respirator when airborne powder is generated.
- Eye protection: Safety glasses or goggles recommended during repacking or blending.
- Hand protection: Clean protective gloves recommended to maintain hygiene and avoid prolonged contact.
- Hygiene measures: Wash hands after handling. Do not eat, drink or smoke in processing areas.

9. Physical and Chemical Properties

Appearance	Yellow powder
Melting Point	305°C-315°C

10. Stability and Reactivity

- Stable under recommended dry, cool and hygienic storage conditions.
- Avoid moisture, high heat, direct sunlight, contamination, strong odors, strong oxidizing agents and strong acids/bases.
- Some botanical extracts, oils, waxes and antioxidants may oxidize or discolor with air, heat or light exposure.
- Hazardous decomposition under fire may produce carbon oxides, nitrogen oxides and irritating smoke.

11. Toxicological Information

The available hazard assessment identifies acute oral toxicity and suspected mutagenicity. Avoid ingestion and unnecessary contact or exposure.

12. Ecological Information

Avoid uncontrolled release to the environment. Prevent large quantities from entering drains or surface water. Product-specific ecotoxicity, persistence and bioaccumulation test data are not provided.

13. Disposal Considerations

Handle unused material and contaminated packaging through an approved hazardous-waste route. Do not discharge into drains.

14. Transport Information

Road/rail, IMDG and IATA	Regulated as dangerous goods
UN number	UN 2811
Proper shipping name	TOXIC SOLID, ORGANIC, N.O.S. (Quercetin dihydrate)
Transport hazard class	6.1
Packing group	III

15. Regulatory Information

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16. Other Information

Safety and handling information for the identified product.

Revision	2026.1
Revision date	2026-10-02
Prepared by	ZXCHEM

Supplier Contact

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