

Material Safety Data Sheet



Freeze-dried miraculin

SECTION 1: PRODUCT INFORMATION

Product name: Freeze-dried miraculin
Botanical source: *Richardella dulcifica* (*Synsepalum dulcificum*)
Supplier: MiracleUK

SECTION 2: COMPOSITION

Common name: Miraculin protein derived from miracle fruits
CAS number: Not applicable
Hazardous impurities: No known hazards

SECTION 3: HAZARD IDENTIFICATION

Inhalation: May cause irritation of respiratory tract
Skin contact: May cause allergic skin reaction
Eye contact: Avoid contact with eyes
Ingestion: Safe to ingest

Principle route of exposure: Skin
Adverse health effects: No known adverse effects
Environmental effects: Dusts and aerosols in handling
Classification of hazards: No significant hazards

SECTION 4: FIRST AID MEASURES

Inhalation: Move to fresh air
Skin contact: Rinse immediately with plenty of water
Eye contact: Rinse immediately with plenty of water
Ingestion: Safe to ingest, do not induce vomiting without medical advice

SECTION 5: FIRE-FIGHTING MEASURES

Flammability: Non-flammable
Extinguishing media: Use standard fire extinguisher

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment
Environmental precautions: Prevent product from entering drains
Methods for cleaning up: Sweep and shovel into suitable containers for disposal

SECTION 7: HANDLING AND STORAGE

Dust inhalation: Wear face masks to avoid excessive exposure
Storage conditions: Keep container dry and at a temperature not exceeding 4°C

SECTION 8: EXPOSURE CONTROLS

Respiratory protection: Breathing apparatus only if aerosol or dust is formed
Hand protection: PVC or other plastic material gloves
Skin and body protection: Maintain usual safety precautions while handling the product
Eye protection: Safety glasses with side-shields
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL PROPERTIES

Physical state: Reddish powder
Moisture content: <2% (hygroscopic)
Particle size: 0.1 mm – 0.5 mm
Isoelectric point: pH 9.0
Molecular weight: 28,000 Da

SECTION 10: OTHER INFORMATION

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