

1. IDENTIFICATION

Trade name:

INCI Name

Supplier:

Shanghai Operation Office:

Telephone/Fax:

Email:

BioActive Coenzyme Q10

Coenzyme Q10

BioActive Specialty Products Limited

1487 Huaihai Middle Road, House 23, First Floor,
Shanghai 200031, PR China

86 21 64749975

Info@bio-aktive.com

2. HAZARDOUS IDENTIFICATION

General

Inhalation

Non Hazardous and non combustible

Not a primary route of entry. Miss and vapors may cause dizziness (alcohol)

Eye contact

May cause slight irritation. Irrigate eye with water. Seek medical attention of symptoms persist.

Skin contact

Not skin irritant.

Ingestion

No specific hazard known. Coenzyme Q10 can be consumed up to 5-10 mg/d through food products.

3. COMPOSITION /INFORMATION ON INGREDIENTS

Description

Ubidecarenone

Hazardous components

None

EINECS N°

206-147-9

CAS N°

303-98-0

4. FIRST AID MEASURES

Eye contact

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15minutes. Get medical attention if irritation occurs.

Skin contact

Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Inhalation

If inhaled, remove to fresh air. If not breathing, give a artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

5. FIRE FIGHTING MEASURES

Flammability of the product

May be combustible at high temperature.

Auto-ignition temperature

Not available.

Flash points

Not available

Products of combustion

These products are carbon oxides

Fire hazards in presence of various substances

Slightly flammable to flammable in presence of heat.

Explosion hazards in presence of various substances

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

Fire fighting media and instructions

SMALL fire: Use DRY chemical powder.

Large fire: Use water spray, fog or foam. Do not use water jet.

Special hazards

As with most organic solids, fire is possible at elevated temperatures. Consider dust explosion hazard-formation of acrid smoke and respiratory irritant fumes when heated to decomposition.

Protection of fire-fighters

Precipitate gases/vapors/mists with water spray.

6. ACCIDENTAL RELEASE MEASURES

Environmental protection

Do not allow to enter drains or waterways

Nontoxic and biodegradable, but very slow biodegradation due to low water solubility strong dyeing effect.

Methods for cleaning up

Collect solids (avoid dust formation) and hand over to waste removal.

7. HANDLING AND STORAGE

Handling

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of material from eyes, skin, and clothing.

Storage

This material is not hazardous under normal storage conditions; however, material should be stored in a cool dry place in unopened containers.

Do not expose containers to source of heat.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal protective equipment

Eye protection *when handling in liquid form: use safety goggles.*

Hand protection *Use appropriate protective gloves.*

Skin and body protection *When handling hot product: use suitable personal protection measures.*

Respiratory protection *When spraying hot liquid use appropriate protective mask.*

General Hygiene consideration

Handle in accordance with good industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance at 25°C

Yellow or orange crystalline powder

Color

Pale yellow

Melting Temperature

48 °C

Molecular weight

863.37g/mol

Density	About 0.5g/ml
Particle size	80 mesh
Solubility	Insoluble in water. Soluble in oils and organic solvents

10. STABILITY AND REACTIVITY

Conditions to avoid	Air, light, humidity
Material to avoid	Atmospheric oxygen, oxidizing agents, strong acids, strong bases, reducing agents, metal salts, compounds rich in oxygen.

11. TOXICOLOGICAL INFORMATION

Routes of Entry	Inhalation, Ingestion
Toxicity to Animals	LD50 >4000 mg/kg (oral, rat) LD50 >4000 mg/kg (oral, dog)
Chronic effects on humans	Not available
Other toxic effects on humans	Slight hazardous in case of skin contact (irritant), of ingestion, of inhalation.
Special remarks on chronic effects on humans	May cause adverse reproductive effects and birth defects (teratogenic) based on animal test data.
Special remarks on other toxic effects on humans	Acute potential health effects. Skin: may cause skin irritation. Eyes: may cause eye irritation. Inhalation: may cause respiratory tract irritation. Ingestion: may cause hypermotility, diarrhea; may affect behavior/central nervous system (somnolence), may affect respiration (dyspnea).

12. ECOLOGICAL INFORMATION

Biodegradability	Inherently biodegradable
Ecotoxicity	Barely toxic for fish (rainbow trout) NOEL 1000mg/L Barely toxic for microorganisms (activated sludge) NOEL (28days) 30mg/L
Air pollution	Observe local/ National regulations

13. DISPOSAL CONSIDERATIONS

Waster disposal	Waster must be disposed of in accordance with national and local environmental control regulations.
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14. TRANSPORT INFORMATION

General	Not regarded as hazardous material
DOT Classification	Not a DOT controlled material (USA)
IATA	They are considered to be non-dangerous by the 54 th IATA dangerous goods regulations and it is restricted as per SPECIAL PROVISION A3
Identification	Not applicable
Special provisions for transport	Not applicable

15. REGULATORY INFORMATION

Federal and state regulations

Other regulations

Other classifications

WHMIS (Canada)

DSCL (EEC)

HIMS (USA)

Protective equipment

TSCA 8(b) Inventory: Ubidecarenone

EINECS: this product is on the EUROPEAN inventory of existing commercial chemical substances.

Not controlled under WHMIS

This product is not classified according to the EU regulations. Not applicable.

Health hazard: 1

Fire Hazard: 1

Reactivity: 0

Personal protection: E

National fire protection association (USA):

Health: 1

Flammability: 1

Reactivity: 0

Specific hazards:

Gloves, lab coat, dust respirator (be sure to use an approved/ certified respirator or equivalent), safety glasses.

16. OTHER INFORMATION

No classification or hazards labeling required under regulation 67/548/EEC

This document completes the product technical data sheet but does not replace it. The information contained in this notice is based on current knowledge and relates to the product in the state in which it is delivered. It is intended to describe the product from the point of view of safety requirements and is not intended to guarantee any particular property. Attention is drawn to possible risks when the product is employed for use to which it is not intended. The user takes full responsibility for the use of the product and it is his further responsibility to ensure that the product is employed in conformity with all relevant legislation and regulation.