



# Material Safety Data Sheet (MSDS)

## COENZYME Q10

### 1. PRODUCT IDENTIFICATION

**Product Name:** Coenzyme Q10

**INCI Declaration:** Coenzyme Q10 (ubiquinone, ubidecarenone)

**CAS Number:** 303-98-0 (coenzyme Q10)

**EINECS Number:**206-147-9

### 2. PHYSICAL & CHEMICAL PROPERTIES

**Melting Point:** about 48°C (124°F)

**Boiling Point:** not determined

**Vapor Pressure:** not determined

**Vapor Density:** not determined

**Particle Size:** 80mesh

**Density:** about 0.5g/ml

**Solubility in water:** insoluble

**pH Value:** 4 - 7

**Appearance & Odor:** yellow or orange crystalline powder

### 3. STABILITY & REACTIVITY

**Chemical Stability:** stable when stored light-protected

**Incompatibility:** none known

**Hazardous Decomposition Products:** none known; displays gradual pyrolysis when heated to 120°C or higher

**Hazardous Polymerisation:** will not occur

### 4. HANDLING & STORAGE

Avoid contact with eyes. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

Avoid freezing or excessive heat. Do not handle or store near an open flame, heat or other sources of ignition. Keep the container tightly closed and in a cool, well-ventilated place.

### 5. ACCIDENTAL RELEASE MEASURES

Isolate spill area immediately. Keep unauthorized personnel away. Ventilate closed spaces before entering. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, basements or confined areas. Surface may become slippery after spillage. Use vacuum or broom sweeping and remove to disposal container. If damp, flush with water.

### 6. EXPOSURE CONTROLS & PERSONAL PROTECTION

**Respiratory Protection:**Where exposure likely exceeds acceptable criteria, use NIOSH/OSHA-approved respiratory equipment.

**Protective Clothing:** Gloves recommended to prevent skin contact. Safety glasses, goggles, or face shield recommended for

eye protection.

**Other Protective Measures:**Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

### 7. HAZARDS IDENTIFICATION

**General:** Non hazardous and non combustible.

**Inhalation:** Not a primary route of entry. Mists and vapors may cause dizziness (alcohol)

**Eye Contact:** May cause slight irritation. Irrigate eye with water. Seek medical attention if symptoms persist.

**Skin Contact:** Not a skin irritant.

**Ingestion:** No specific hazard known. CoQ10 can be consumed up to 5-10 mg/d through food products.

### 8. FIRST AID MEASURES

**Eyes:** Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes. If irritation persists get medical attention.

**Skin:** Wash exposed areas of the body with soap and water.

**Inhalation:** Remove from area of exposure. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.

**Ingestion:** If gastrointestinal symptoms develop, consult medical personnel.

### 9. FIRE FIGHTING MEASURES

**Flammability Limits:** None known

**Unusual Fire Hazard:** None known

**Fire Fighting Procedures:**Firefighters should wear full firefighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

### 10. TOXICOLOGICAL INFORMATION

**Acute Toxicity:** LD50 >4 g/kg (oral, rats)

**Subchronic Toxicity:** No pathological findings were observed when 1 g/kg was continually administered to rats for 5 weeks

**Chronic Toxicity:** No pathological findings were observed when 0.6 g/kg was continually administered to rats for 26 weeks

**Teratogenicity:** not teratogenic effects observed in rats

### 11. DISPOSAL CONSIDERATIONS

Storage and disposal must be in accordance with applicable local, state & federal disposal regulations. Characterization and compliance with applicable laws are the responsibility solely of the

generator.

## **12. TRANSPORT INFORMATION**

**General:** not regarded as hazardous material

**DOT Shipping Name:** Refer to corresponding hazard class

**ADR/RIC Code:** Refer to corresponding hazard class

**Sea Transport IMDG Code:** Refer to corresponding hazard class

**Air Transport IATA:** Refer to corresponding hazard class

## **13. DISCLAIMER**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.

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