

**SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING**
**PRODUCT IDENTIFIER**

Product Name	Coenzyme Q10
INCI Name	Ubiquinone
CAS Number	303-98-0 / 1339-63-5 / 60684-33-5

**DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET**

Registered distributor company name	Pure Ingredients Ltd	Pure Nature
Address	626A Rosebank Road, Avondale 1026	626A Rosebank Road, Avondale 1026
Telephone	+64 9 813 5619	+64 813 9412
Website	www.pureingredients.co.nz	www.purenature.co.nz
Email	compliance@pureingredients.co.nz	info@purenature.co.nz

**EMERGENCY TELEPHONE NUMBER**

Association / Organisation	0800 CHEMCALL / 0800 243 622 (24hr)
Emergency telephone numbers	111
Other emergency telephone numbers	0800 764 766

**SECTION 2 HAZARDS IDENTIFICATION**

HSNO Hazard Classification	Not classified
HSNO Approval Number	-
Hazard Nature	This product is not classified as hazardous under HSNO criteria
Pictogram(s)	Nil
Signal Word	Nil
Hazard Statement(s)	Nil
Prevention Statements(s)	Nil
Response Statement(s)	Nil
Storage Statement(s)	Nil
Disposal Statement(s)	Nil

**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**

CAS No.	% [weight/volume]	INCI Name
303-98-0 / 1339-63-5 / 60684-33-5	10 %	Ubiquinone

**SECTION 4 FIRST AID MEASURES**

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

Eye contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. 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 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.

**SECTION 5 FIREFIGHTING MEASURES**

Flammability of the product	May be combustible at high temperature.
Products of combustion	These products are carbon oxides (CO, CO <sub>2</sub> ).
Fire hazards in presence of various substances	Slightly flammable to flammable in presence of heat.
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/ vapours/ mists with water spray.

**SECTION 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.

**SECTION 7 HANDLING AND STORAGE**

Handling	Technical measures: Processing in closed systems; avoid dust formation; consider dust explosion hazard; take precautionary measures against electrostatic charging; local exhaust ventilation necessary. Suitable materials: Stainless steel, aluminium, glass, polyethylene and enamel.
Storage	Store in tightly closed original container, protected from light, in a dry place at low temperature ( $\leq 25^{\circ}\text{C}$ ). Packaging materials: Tightly closing material, stainless steel, aluminium, glass, polyethylene.

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

Personal protective equipment	Respiratory protection not necessary during normal operations- in case of very high dust concentrations: particle mask or respirator with independent air supply.
Respiratory protection	Required when vapours/aerosols are generated
Eye protection	Required (safety glasses)
Hand protection	Protective gloves
Remarks	Strong skin discoloration on contact.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Yellow to orange yellow flowing powder	Particle Size	>90% go through the sieve of 60 mesh
Odour	No odour	Density	~0.5g/ml
Molecular Weight	863.37g/mole	Solubility in Water	Easily dispersed in 15°C water to form a homogeneous and stable emulsion

**SECTION 10 STABILITY AND REACTIVITY**

Stability	Stable under the conditions mentioned in section 7.
Conditions to avoid	Air; light; humidity
Materials to avoid	Atmospheric oxygen, oxidizing agents, strong acids, strong bases, reducing agents, metal salts, compounds rich in oxygen.
Note	Auto-oxidation in the presence of atmospheric oxygen

**SECTION 11 TOXICOLOGICAL INFORMATION**

Routes of Entry	Inhalation. Ingestion.
Toxicity to Animals	Acute toxicity: LD <sub>50</sub> >4000 mg/kg [oral, rat]; LD <sub>50</sub> >8000 mg/kg [oral, dog].
Chronic Effects on Humans	Not available.
Other Toxic Effects on Humans	Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.
Special Remarks on Toxicity to Animals	Not available.
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	Skin: May cause skin irritation. Eyes: May cause eye irritation. Inhalation: May cause respiratory tract irritation. Ingestion: May cause hypermotility, diarrhea; may affect behaviour/central nervous system (somnolence), may affect respiration (dyspnea).

**SECTION 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 (MITI TEST II, OECD NO. 302C)
Air pollution	Observe local/ national regulations

**SECTION 13 DISPOSAL CONSIDERATION**

Waste Disposal	Waste must be disposed of in accordance with National and local environmental control regulations.
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**SECTION 14 TRANSPORT INFORMATION**

Transport	Road & Rail	Marine	Air
UN number	Not dangerous goods.	Not dangerous goods.	Not dangerous goods.
UN proper shipping name	Nil	Nil	Nil
Transport hazard class(es)	Nil	Nil	Nil
Packing group	Nil	Nil	Nil
Environmental hazards	Nil	Nil	Nil

**SECTION 15 REGULATORY INFORMATION**

Federal and State Regulations

TSCA 8(b) inventory: Ubidecarenone

Other Regulations

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications

WHMIS (Canada) - Not controlled under WHMIS (Canada).

DSCL (EEC) - This product is not classified according to the EU regulations. Not applicable.

HMIS (U.S.A.)

Health Hazard: 1

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 1

Reactivity: 0

Specific hazard:

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

**SECTION 16 OTHER INFORMATION**

The information contained in this Safety Data Sheet is obtained from current and reliable sources. Pure Ingredients Ltd provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product but does not claim to be all inclusive. This document is intended only as a guide to the appropriate handling of this material.

Reference: supplier's SDS.

Version: 01 Revision Date: 04/05/2020: PIL SA103-163 SDS 0320160602.

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