



rainshadowlabs

Safety Data Sheet

Section 1: Chemical Product and Company Identification		
Product Name: Coenzyme Q10	Product Use: Personal Care Formulations	
Company Name: RainShadow Labs	Company Address: 300 Port Ave, St. Helens, OR 97051, USA	
Non-Emergency Telephone Number: (503) 366-3413	Emergency Telephone Number: Chemtrec - (800) 262-8200	
Section 2: Composition/Ingredient Information		
Name	CAS#	% by Weight
Coenzyme Q10	303-98-0	100
No risk phrases apply		
Section 3: Hazards Identification		
<p>Physical hazards Not classified. Health hazards Not classified. OSHA hazard(s) Not classified. Label elements Hazard symbol No symbol. Signal word Not available. Hazard statement Not available. Precautionary statement Prevention Not available. Response Not available. Storage Not available. Disposal Not available. Hazard(s) not otherwise classified (HNOC) Not classified.</p>		
Section 4: First Aid Measures		
<p>Inhalation Move to fresh air. Call a physician if symptoms develop or persist. Skin contact Rinse skin with water/shower. Get medical attention if irritation develops and persists. Eye contact Rinse with water. Get medical attention if irritation develops and persists. Ingestion Rinse mouth thoroughly. If ingestion of a large amount does occur, call a poison control center immediately. Most important symptoms/effects, acute and delayed Gastrointestinal disturbances. General information Remove from exposure. Remove contaminated clothing. For treatment advice, seek guidance from an occupational health physician or other licensed health-care provider familiar with workplace chemical exposures. In the United States, the national poison control center phone number is 1-800-222-1222. If person is not breathing, give artificial respiration. If breathing is difficult, give oxygen if available. Persons developing serious hypersensitivity (anaphylactic) reactions must receive immediate medical attention.</p>		
Section 5: Fire and Explosion Data		
<p>Suitable extinguishing media Use fire-extinguishing media appropriate for surrounding materials. Water. Foam. Dry chemical or CO2. Unsuitable extinguishing media None known. Specific hazards arising from the chemical No unusual fire or explosion hazards noted. Special protective equipment and precautions for firefighters Wear suitable protective equipment. Fire-fighting equipment/instructions Use water spray to cool unopened containers. As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing. Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.</p>		

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Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Avoid inhalation of dust from the spilled material. Wear appropriate personal protective equipment.

Methods and materials for containment and cleaning up Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid the generation of dusts during clean-up. For waste disposal, see section 13 of the SDS. Clean surface thoroughly to remove residual contamination.

Section 7: Handling and Storage

Precautions for safe handling As a general rule, when handling USP Reference Standards, avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Clean equipment and work surfaces with suitable detergent or solvent after use. After removing gloves, wash hands and other exposed skin thoroughly.

Conditions for safe storage, including any incompatibilities Store in tight container as defined in the USP-NF. This material should be handled and stored per label instructions to ensure product integrity.

Section 8: Exposure Controls/Personal Protection

Biological limit values No biological exposure limits noted for the ingredient(s).

Exposure guidelines No exposure standards allocated.

Appropriate engineering controls Airborne exposure should be controlled primarily by engineering controls such as general dilution ventilation, local exhaust ventilation, or process enclosure. Local exhaust ventilation is generally preferred to general exhaust because it can control the contaminant at its source, preventing dispersion into the work area. An industrial hygiene survey involving air monitoring may be used to determine the effectiveness of engineering controls. Effectiveness of engineering controls intended for use with highly potent materials should be assessed by use of nontoxic surrogate materials.

Individual protection measures, such as personal protective equipment

Eye/face protection Safety glasses with side shields are recommended. Face shields or goggles may be required if splash potential exists or if corrosive materials are present. Approved eye protection (e.g., bearing the ANSI Z87 or CSA stamp) is preferred. Maintain eyewash facilities in the work area.

Skin protection Hand protection Chemically compatible gloves. For handling solutions, ensure that the glove material is protective against the solvent being used. Use handling practices that minimize direct hand contact. Employees who are sensitive to natural rubber (latex) should use nitrile or other synthetic nonlatex gloves. Use of powdered latex gloves should be avoided due to the risk of latex allergy.

Other For handling of laboratory scale quantities, a cloth lab coat is recommended. Where significant quantities are handled, work clothing may be necessary to prevent take-home contamination.

Respiratory protection Where respirators are deemed necessary to reduce or control occupational exposures, use NIOSH-approved respiratory protection and have an effective respirator program in place (applicable U.S. regulation OSHA 29 CFR 1910.134).

Thermal hazards Not available.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties

Appearance Yellow to orange crystalline powder.

Physical state Solid.

Form Powder.

Odor Odorless.

Odor threshold Not available.

pH Not available.

Melting point/freezing point 118.4 - 125.6 °F (48 - 52 °C)

Initial boiling point and boiling range Not available.

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit – lower (%) Not available.

Flammability limit – upper (%) Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor density Not available.

Relative density Not available.

Solubility in water Practically insoluble.

Partition coefficient (n-octanol/water) Not available.

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<p>Auto-ignition temperature Not available. Decomposition temperature Not available. Viscosity Not available. Other information Chemical family Benzoquinone. Molecular formula C₅₉H₉₀O₄ Molecular weight 863.37 Solubility (other) Soluble in ether; very slightly soluble in dehydrated alcohol. Specific gravity 1.09</p>
Section 10: Stability and Reactivity Data
<p>Reactivity No reactivity hazards known. Chemical stability Stable at normal conditions. Possibility of hazardous reactions No dangerous reaction known under conditions of normal use. Conditions to avoid None known. Incompatible materials None known. Hazardous decomposition products Irritating and/or toxic fumes or gases. Emits toxic fumes under fire conditions.</p>
Section 11: Toxicological Information
<p>Information on likely routes of exposure Ingestion Based on available data, the classification criteria are not met. Inhalation Due to lack of data the classification is not possible. Skin contact Due to lack of data the classification is not possible. Eye contact Due to lack of data the classification is not possible. Symptoms related to the physical, chemical, and toxicological characteristics Nausea. Diarrhea. Indigestion. Loss of appetite. Medical conditions aggravated by exposure Liver impairment. Diabetes. Biliary obstruction. Acute toxicity <i>Oral</i> Mouse > 20000 mg/kg; Rat > 5000 mg/kg Skin corrosion/irritation Due to lack of data the classification is not possible. Serious eye damage/eye irritation Due to lack of data the classification is not possible. Respiratory sensitization Due to lack of data the classification is not possible. Skin sensitization Due to lack of data the classification is not possible. Germ cell mutagenicity Due to lack of data the classification is not possible. Data from germ cell mutagenicity tests were not found. Mutagenicity Ames test Result: Negative In vitro chromosome aberration test Result: Negative Micronucleus test Result: Negative Carcinogenicity Due to lack of data the classification is not possible. This material is not considered to be a carcinogen by IARC, NTP, or OSHA. Reproductive toxicity Due to lack of data the classification is not possible. Specific target organ toxicity - single exposure Based on available data, the classification criteria are not met. Specific target organ toxicity - repeated exposure Based on available data, the classification criteria are not met. Aspiration hazard Based on available data, the classification criteria are not met.</p>
Section 12: Ecological Information
<p>Ecotoxicity Not expected to be harmful to aquatic organisms. Persistence and degradability No data is available on the degradability of this product. Bioaccumulative potential Not available. Mobility in soil Not available. Other adverse effects Not available.</p>
Section 13: Disposal Considerations
<p>Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.</p>
Section 14: Transport Information
<p>DOT Not regulated as a hazardous material by DOT. IATA Not regulated as a dangerous good. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available.</p>

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Section 15: Other Regulatory Information

US federal regulations This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories Immediate Hazard - No

Delayed Hazard - No

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

SARA 302 Extremely hazardous substance No

SARA 311/312 Hazardous chemical No

Other federal regulations

Safe Drinking Water Act (SDWA) Not regulated.

Food and Drug Administration (FDA) Not regulated.

US state regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

International Inventories Country(s) or region Inventory name On inventory (yes/no)*

Australia: Australian Inventory of Chemical Substances (AICS) No

Canada: Domestic Substances List (DSL) No

Canada: Non-Domestic Substances List (NDSL) Yes

China: Inventory of Existing Chemical Substances in China (IECSC) Yes

Europe: European Inventory of Existing Commercial Chemical Substances (EINECS) Yes

Europe: European List of Notified Chemical Substances (ELINCS) No

Japan: Inventory of Existing and New Chemical Substances (ENCS) No

Korea: Existing Chemicals List (ECL) Yes

New Zealand: New Zealand Inventory Yes

Philippines: Philippine Inventory of Chemicals and Chemical Substances (PICCS) Yes

United States & Puerto Rico: Toxic Substances Control Act (TSCA) Inventory Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

Section 16: Other Information

This information is provided for documentation purposes only.

The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.

Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.

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