

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

**ALL-Q® (Coenzyme Q10) 10% CWS/S****5004160**

Version 2.1

Revision Date 05.08.2014

Print Date 07.08.2019

1. Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade name : ALL-Q® (Coenzyme Q10) 10% CWS/S

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Food additive, Ingredient for capsules and/or tablets

1.3 Details of the supplier of the safety data sheet

Company : DSM Nutritional Products Europe Ltd
PO Box 2676
CH-4002 Basel

Telephone : +41618157777
Telefax : +41618157770
E-mail address : sds.nutritionalproducts@dsm.com
Responsible/issuing person

1.4 Emergency telephone number

+41 848 00 11 77 (Carechem 24 International)

2. Hazards identification**2.1 Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture.

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture.

2.2 Label elements**Labelling (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture.

2.3 Other hazards

Risk of dust explosion.

3. Composition/information on ingredients

Brief description of the product : Mixture (preparation) containing active ingredient and auxiliary substances

3.2 Mixtures

Remarks : No hazardous ingredients

Further ingredients

Chemical Name	CAS-No. EC-No. Registration number	Classification	GHS Classification	Concentration [%]
---------------	---	----------------	--------------------	-------------------

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

**ALL-Q® (Coenzyme Q10) 10% CWS/S****5004160**

Version 2.1

Revision Date 05.08.2014

Print Date 07.08.2019

coenzyme Q-10	303-98-0 206-147-9			>= 10 - < 15
sucrose	57-50-1 200-334-9			>= 15 - <= 20
Starch	9005-25-8 232-679-6			>= 15 - <= 20

4. First aid measures**4.1 Description of first aid measures**

- General advice : No hazards which require special first aid measures.
- If inhaled : Move to fresh air.
If symptoms persist, call a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
- In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No specific symptoms known.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.

5. Firefighting measures**5.1 Extinguishing media**

- Suitable extinguishing media : Water
Foam

5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting : None known.

5.3 Advice for firefighters

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



ALL-Q® (Coenzyme Q10) 10% CWS/S

5004160

Version 2.1

Revision Date 05.08.2014

Print Date 07.08.2019

be disposed of in accordance with local regulations.
Consider dust explosion hazard.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.
Avoid dust formation.

6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel.

6.4 Reference to other sections

For personal protection see section 8.
For disposal considerations see section 13.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Avoid dust formation.
Provide appropriate exhaust ventilation at places where dust is formed.
Take precautionary measures against static discharges.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Protect against light.
Protect from humidity.
: Keep container tightly closed and dry.

Advice on common storage : No special restrictions on storage with other products.

Storage temperature : < 15 °C

7.3 Specific end use(s)

Specific use(s) : Not applicable

8. Exposure controls/personal protection

8.1 Control parameters

Components	CAS-No.	Value (Form of	Control	Update	Basis
------------	---------	----------------	---------	--------	-------

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

**ALL-Q® (Coenzyme Q10) 10% CWS/S****5004160**

Version 2.1

Revision Date 05.08.2014

Print Date 07.08.2019

		exposure)	parameters		
sucrose	57-50-1	TWA	10 mg/m ³	2005-04-06	GB EH40
		STEL	20 mg/m ³	2005-04-06	GB EH40
Starch	9005-25-8	TWA (inhalable dust)	10 mg/m ³	2011-12-01	GB EH40
		TWA (Respirable dust)	4 mg/m ³	2011-12-01	GB EH40
: The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m ⁻³ 8-hour TWA of inhalable dust or 4 mg.m ⁻³ 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit.					

8.2 Exposure controls**Personal protective equipment**

- Respiratory protection : No personal respiratory protective equipment normally required.
In case of high dust concentration use a dust mask applicable to local conditions.
- Hand protection : Glove material: for example nitrile rubber
- Eye protection : Safety glasses
- Skin and body protection : Lightweight protective clothing
- Hygiene measures : General industrial hygiene practice.

9. Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- Appearance : free flowing particles
- Colour : light orange
- Odour : No information available.
- Odour Threshold : No information available.
- pH : No data available
- Melting point/range : not determined
- Boiling point/boiling range : not determined
- Flash point : Not applicable
- Flammability (solid, gas) : May form combustible dust concentrations in air
- Vapour pressure : Not applicable
- Relative vapour density : Not applicable
- Density : not determined
- Water solubility : not determined
- Partition coefficient: n-octanol/water : Not applicable

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



ALL-Q® (Coenzyme Q10) 10% CWS/S

5004160

Version 2.1

Revision Date 05.08.2014

Print Date 07.08.2019

Auto-ignition temperature	: No data available
Thermal decomposition	: Decomposes on heating. Potential for exothermic hazard
Explosive properties	: Not explosive
Oxidizing properties	: No data available

9.2 Other information

Combustibility index for deposited dust	: 2 (22 °C)
	: 2 (100 °C)
Dust explosion properties	: KSt value: 196 bar·m/s (Milled sample, Median value of the tested sample 0,036 mm, Loss on drying 4,9 %; ISO 6184)
Dust explosion class	: St2 (Milled sample, Median value of the tested sample 0,036 mm, Loss on drying 4,9 %; ISO 6184)
Maximum explosion overpressure	: 7,6 bar (Milled sample, Median value of the tested sample 0,036 mm, Loss on drying 4,9 %; ISO 6184)
Minimum ignition energy	: 10 - 30 mJ (Milled sample, Median value of the tested sample 0,069 mm, Loss on drying 4,9 %, EN 13821) The Minimum ignition energy (MIE) of a dust/air mix depends on the particle size the water content and the temperature of the dust. The finer and the dryer the dust the lower the MIE.
	: General remark: The indicated dust explosion characteristics are only valid for this product and are sensitive to the sample's parameters.
Powder volume resistivity	: ca. 2E+10 Ohmm (Product sample, Median value of the tested sample 0,336 mm, Loss on drying 4,7 %) The material can accumulate static charge and can therefore cause electrical ignition.
Minimum ignition temperature of a dust/air mix	: 360 °C (Median value of the tested sample 0,336 mm) determined in the BAM oven

10. Stability and reactivity

10.1 Reactivity

No hazards to be specially mentioned.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Dust may form explosive mixture in air.

10.4 Conditions to avoid

Heat.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



ALL-Q® (Coenzyme Q10) 10% CWS/S

5004160

Version 2.1

Revision Date 05.08.2014

Print Date 07.08.2019

10.5 Incompatible materials

Strong acids and strong bases
Strong oxidizing agents

10.6 Hazardous decomposition products

No decomposition if used as directed.

11. Toxicological information

11.1 Information on toxicological effects

- Acute oral toxicity : LD50 (Rat): > 5 000 mg/kg
(calculated from LD50 of components)
- Skin corrosion/irritation : No skin irritation (Rabbit)
Test substance: active ingredient
- Serious eye damage/eye irritation : Dust contact with the eyes can lead to mechanical irritation.
- Respiratory or skin sensitisation : Did not cause sensitization. (Guinea pig, Maximisation Test (GPMT))
Test substance: active ingredient
- Genotoxicity in vitro : not mutagenic, not genotoxic (Various test systems)
Test substance: active ingredient
- Genotoxicity in vivo : not genotoxic (Mutagenicity (micronucleus test), Mouse)
Test substance: active ingredient
- Carcinogenicity : This information is not available.
- Reproductive toxicity : This information is not available.
- STOT - repeated exposure : NOAEL (Oral, Rat) : 1 200 mg/kg bw/d
Chronic toxicity study (1 year)
Test substance: active ingredient
- Further information : Based on the nature of the product no relevant toxicity is expected.
The product contains no substances which at their given concentration, are considered to be hazardous to health.

12. Ecological information

12.1 Toxicity

No data is available on the product itself.

12.2 Persistence and degradability

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



ALL-Q® (Coenzyme Q10) 10% CWS/S

5004160

Version 2.1

Revision Date 05.08.2014

Print Date 07.08.2019

Biodegradability : No data available

12.3 Bioaccumulative potential

Bioaccumulation : No data available

Partition coefficient: n-octanol/water : Not applicable

12.4 Mobility in soil

Distribution among environmental compartments : No data available

12.5 Results of PBT and vPvB assessment

Assessment : not determined

12.6 Other adverse effects

Additional ecological information : There is no data available for this product.

13. Disposal considerations

13.1 Waste treatment methods

Product : Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

14.1 UN number

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.2 Proper shipping name

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.3 Transport hazard class

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



ALL-Q® (Coenzyme Q10) 10% CWS/S

5004160

Version 2.1

Revision Date 05.08.2014

Print Date 07.08.2019

Not dangerous goods

IATA

Not dangerous goods

14.4 Packing group

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.5 Environmental hazards

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

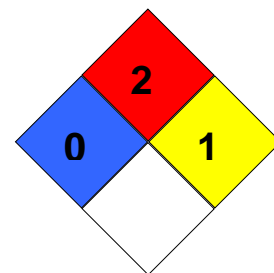
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

NFPA Classification : Health hazard: 0
Fire Hazard: 2
Reactivity Hazard: 1



15.2 Chemical Safety Assessment

Not applicable

16. Other information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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 process, unless specified in the text.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



ALL-Q® (Coenzyme Q10) 10% CWS/S

5004160

Version 2.1

Revision Date 05.08.2014

Print Date 07.08.2019

Abbreviations: 67/548/EEC= Dangerous Substances Directive. 1999/45/EC= Dangerous Preparations Directive. Regulation (EC) No. 1272/2008= Regulation on classification, labelling and packaging of substances and mixtures. DNEL= Derived No-Effect Level. PNEC= Predicted No-Effect Concentration. NFPA= National Fire Protection Association (USA). IATA= International Air Transport Association. IMDG= International Maritime Dangerous Goods. RID= International Rule for Transport of Dangerous Substances by Railway; ADR= European Agreement concerning the International Carriage of Dangerous Goods by Road. TWA= Time Weighted Average. STEL= Short term exposure limit. WEL = Workplace Exposure Limit.