

Safety Data Sheet

according to Regulation (EC) No 1907/2006

CUXAVIT β -CAROTENE 10 %

Revision date: 25.02.2016

Product code: 46389

Page 1 of 5

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

CUXAVIT β -CAROTENE 10 %

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

Use of the substance/mixture

Feed additive (preparation): Vitamins, pro-vitamins and chemically well-defined substances having similar effect

for exclusive usage in animal feed

1.3. Details of the supplier of the safety data sheet

Company name:	Kaesler Nutrition GmbH	
Street:	Zeppelinstr. 3	
Place:	D-27472 Cuxhaven	
Post-office box:	740	
	D-27457 Cuxhaven	
Telephone:	(+ 49) 4721 5904 0	Telefax: (+ 49) 4721 5904 334
e-mail:	product.safety@kaesler.de	
Internet:	www.kaesler.de	
Responsible Department:	Kaesler Nutrition GmbH	
	Quality Assurance	
	Zeppelinstr. 3	
	27472 Cuxhaven	

1.4. Emergency telephone number: (+49) 4721 5904 333 (24 h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

2.2. Label elements

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Beta-carotene (3a160(a)) 10 %

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Change contaminated clothing. Seek medical attention if problems persist.

After inhalation

Provide fresh air.

After contact with skin

No special measures are necessary.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

CUXAVIT β -CAROTENE 10 %

Revision date: 25.02.2016

Product code: 46389

Page 2 of 5

After ingestion

Rinse mouth immediately and drink plenty of water.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray. Foam. Extinguishing powder. Carbon dioxide (CO₂). Sand.

5.2. Special hazards arising from the substance or mixture

Dust explosive. In case of fire and/or explosion do not breathe fumes.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Dispose of waste according to applicable legislation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment. particulates filter device (DIN EN 143).

6.2. Environmental precautions

Treat the recovered material as prescribed in the section on waste disposal. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Take up mechanically. Avoid generation of dust. Danger of dust explosion.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide adequate ventilation as well as local exhaust at critical locations. Take precautionary measures against static discharges. Avoid generation of dust. Dust explosive. Have fire-extinguishers in readiness before opening containers.

Advice on protection against fire and explosion

Danger of dust explosion. Keep away from sources of ignition. - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
9005-25-8	Starch, total inhalable	-	10		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
57-50-1	Sucrose	-	10		TWA (8 h)	WEL
		-	20		STEL (15 min)	WEL

8.2. Exposure controls

Safety Data Sheet

according to Regulation (EC) No 1907/2006

CUXAVIT β -CAROTENE 10 %

Revision date: 25.02.2016

Product code: 46389

Page 3 of 5



Appropriate engineering controls

Refer to chapter 7. No further action is necessary.

Protective and hygiene measures

Wash contaminated clothing prior to re-use.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

Tested protective gloves are to be worn: NR (Natural rubber (Caoutchouc), Natural latex).

Skin protection

Wear personal protection equipment.

Respiratory protection

particulates filter device (DIN EN 143).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	solid
Colour:	red - reddish brown
Odour:	odourless

Test method

Changes in the physical state

point of decomposition:	~ 140 °C	---
Ignition temperature:	~ 370 °C	---
Bulk density:	500 - 600 kg/m ³	
Water solubility: (at 20 °C)	dispersible	---

SECTION 10: Stability and reactivity

10.4. Conditions to avoid

moisture. UV-radiation/sunlight. Oxygen.

10.5. Incompatible materials

Keep away from strong acids, leachates, heavy metal salts and reducing materials. Oxidizing agents, strong.

Further information

Danger of dust explosion.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.
No data available. Preparation not tested.

Irritation and corrosivity

Based on available data, the classification criteria are not met.
Not an irritant.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

CUXAVIT β -CAROTENE 10 %

Revision date: 25.02.2016

Product code: 46389

Page 4 of 5

Sensitising effects

Based on available data, the classification criteria are not met.
no danger of sensitization.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.
During animal experiments no indications of reproductive toxicity were observed. Longterm experiments do not indicate carcinogenic effects.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.
No data available.

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

General information beta carotene:
Subacute oral toxicity LD50: > 20000 mg/kg. species: Rat
Subacute oral toxicity LD50: > 20000 mg/kg. species: Mouse.

SECTION 12: Ecological information**12.1. Toxicity**

General information beta carotene:
Acute fish toxicity DIN 38412 / part 15. Statistical method: Leuciscus idus/LC50: > 10000 mg/l (96 h).
Tests carried out above the maximum solubility. The statement about the toxic effects refers to normal concentration levels.

General information beta carotene:
Aquatic organisms: DIN 38412 / part 27. Statistical method: Pseudomonas putida/EC50: > 10000 mg/l (0,5 h).
Product is slightly soluble in test vehicle. The test was carried out with the help of a watery preparation of solvent agents. The statement about the toxic effects refers to normal concentration levels.

General information beta carotene:
Type judging: no harm to water organisms up to the tested concentration.

12.2. Persistence and degradability

Due to its low solubility in water the product is almost completely mechanically separated in biological waste water treatment plants.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.6. Other adverse effects

No data available.

Further information

Product may not be released into water without pre-treatment.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Dispose of waste according to "Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG)". Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

CUXAVIT β -CAROTENE 10 %

Revision date: 25.02.2016

Product code: 46389

Page 5 of 5

Contaminated packaging

Dispose of waste according to "Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG)". Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information**Land transport (ADR/RID)**

14.2. UN proper shipping name: No dangerous good in sense of these transport regulations.

Marine transport (IMDG)

14.2. UN proper shipping name: No dangerous good in sense of these transport regulations.

Air transport (ICAO-TI/IATA-DGR)

14.2. UN proper shipping name: No dangerous good in sense of these transport regulations.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information****Additional information**

The product meets the requirements of Regulation EC 1831/2003 for feed additives and premixes.

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

SECTION 16: Other information**Further Information**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)