


<p>Page 1 of 4</p> <p>Print Date 27.11.2018</p>	<p>Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>β-Carotin 10% plv.(stabilisiert)</p>	 <p>Revision Date 27.11.2018</p>
---	--	---

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

· **Informations to product No. 2155**

· **Product name:**

β -Carotin 10% plv. (stabilisiert)
Provitamin A, kaltwasserlöslich, E160a
 β -Carotine

· **Supplier of the Product / responsible Company:**

Caesar & Loretz GmbH
Herderstr. 31
40721 Hilden
Tel.: 02103/4994-0
Fax: 02103/32360
e-mail: info@caelo.de

· **Emergency telephone:**

Giftinformationszentrum Mainz
Langenbeckstr. 1, 55131 Mainz
Tel.: 06131/19240

· **Relevant identified uses of the substance or mixture and uses advised against:**

No further relevant information available.

· **Application of the substance / mixture:**

Ingredient for pharmaceutical drugs or active pharmaceutical ingredient.

2 Hazards identification

· **GHS-Labeling Elements:**



· **Signal word:** Warning

· **H-Phrases:**

H317 May cause an allergic skin reaction.

· **P-Phrases:**


P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

Skin Sens. 1B

3 Composition / information on ingredients

CAS-No. Substance name

7235-40-7	β -Carotene, crystalline (INCI: Beta Carotene)	10%
57-50-1	Sucrose (INCI: Sucrose)	34%
9005-25-8	Corn Starch (INCI: Zea Mays [Corn] Starch):	31,5%

<p>Page 2 of 4</p> <p>Print Date 27.11.2018</p>	<p>Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>β-Carotin 10% plv.(stabilisiert)</p>	 <p>Revision Date 27.11.2018</p>
---	---	---

- | | | |
|------------|--|------|
| 9000-70-8 | Fish Gelatin (INCI: Gelatin): | 15% |
| 8001-30-7 | Corn Oil (INCI: Zea Mays [Corn] Oil): | 4% |
| 137-66-6 | Ascorbyl Palmitate (INCI: Ascorbyl Palmitate): | 4% |
| 10191-41-0 | DL-alpha-Tocopherol (INCI: Tocopherol): | 1,5% |
- **EINECS-No.:** 230-636-6 DL-alpha-Tocopherol
 - **General information:** beta-Carotene in a matrix of carbohydrates

4 First aid measures

- **General advices:** Avoid skin contact.
- **after skin contact:** wash away with water and soap.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open.
- **after swallowing:** (big quantities) if feeling unwell seek medical advice.

5 Fire-fighting measures


- **Suitable extinguishing media:** All regular extinguishing media can be used. Select fire fighting measures suitable to surrounding environment.
- **Specific hazards during fire fighting:** Combustible, but not flammable. In case of fire dangerous vapours/gases can be generated: Smoke gases.
- **Additional information:** Prevent fire extinguishing water from contaminating surface water, the ground water system or soil. Residues must be deposited according to local regulations.

6 Accidental release measures

- **Personal protective measures:** Avoid dust formation.
- **Methods for cleaning:** Take up dry. Disposal according to Chapter 13 of this MSDS. Clean up with water,

7 Handling and storage

- **Handling:**
- **Advice on safe handling:** Handle product only in closed systems. Avoid dust formation. Exhaustion of working place required if dusts are generated.
- **Informations to fire or explosion protection:**
The product is not hazardous for explosion, but the explosion of dust-air mixtures is possible. Take measures to prevent electrostatic charging.
- **Storage:**
- **Requirements for storage areas and containers:** Recommended material for containers: Aluminium, enamel, stainless steel, glass, plastic.
- **Advices on common storage:**
Do not store together with strong acids, bases, oxidants and reductants.
- **Additional informations to storage conditions:** Keep container tightly closed. Store under nitrogen gas. Protect from light, moisture and water. Store at +8-15°C.

<p>Page 3 of 4</p> <p>Print Date 27.11.2018</p>	<p>Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>β-Carotin 10% plv.(stabilisiert)</p>	 <p>Revision Date 27.11.2018</p>
---	--	---

8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **General protective and hygiene measures:** The usual precaution measures during handling of chemicals are to observe.
- **Respiratory protection:** Dust protection mask.
- **Hand protection:** Protection gloves of latex or rubber.
- **Eye protection:** Safety glasses.

9 Physical and chemical properties

- **Form:** solid
- **Colour:** red-brown
- **Odour:** characteristic
- **Melting point / melting range:** >100 °C
- **Density:** at 20 °C not determined
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 10 g/l

10 Stability and reactivity


- **Hazardous reactions:** Reactions with strong oxidants.
- **Hazardous decomposition products:** none
- **Additional information:** Decomposition if exposed to heat and light.

11 Toxicological information

- **Acute toxicity:**
beta-Carotin: LD50 (oral,Mouse): > 20000 mg/kg
LD50 (oral,Rat): > 20000 mg/kg
dl-alpha-Tocopherol: LD50 (oral,Mouse): > 16000 mg/kg
LD50 (oral,Rat): > 16000 mg/kg
Ascorbyl palmitate: LD50 (oral,Rat): > 10000 mg/kg
- **Other information (experimental toxicology):** No CMR-Substance.
- **Additional toxicological informations:**
beta-Carotin: ADI (acceptable daily intake): 5 mg/kg
All ingredients: GRAS (generally recognized as safe for human consumption)

12 Ecological information

- **Information about elimination (persistence and degradability):**
Easily biodegradable: 100% after 28 days. (MITI-Test II)
- **Aquatic toxicity:**
Toxicity for fishes beta-Carotin: NEC > 1000 mg/l (Oncorhynchus mykiss)
- **Water hazard class:** nwg (self classification): not hazardous for water.

<p>Page 4 of 4</p> <p>Print Date 27.11.2018</p>	<p>Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>ß-Carotin 10% plv.(stabilisiert)</p>	 <p>Revision Date 27.11.2018</p>
---	---	---

13 Disposal considerations

- **Product:**
- **Recommendation:** Disposal according to local regulations as pharmaceutical waste.
- **Empty contaminated packaging:**
- **Recommendation:** Disposal according to the local regulations.

14 Transport informations

- **Land transport according to ADR:**
Not classified as dangerous in the meaning of transport regulations.

15 Regulatory information

- **Labelling according to actual legislation (GHS, Globally Harmonized System of Classification and Labelling of Chemicals):**
The product is classified and labelled according to GHS-regulations.
- **Hazard symbols:** GHS07
- **Signal word:** Warning
- **H-Phrases:**
H317 May cause an allergic skin reaction.
- **P-Phrases:**
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- **Nationale Vorschriften:**
- **Wassergefährdungsklasse:** s. Kapitel 12
- **Lagerklasse TRGS510:** 11

16 Other Information

The information provided in this MSDS is correct to the best of our knowledge at the date of edition.

- **Reason for last revision:** Adjustment to regulation (EC) 1907/2006 (REACH) and GHS-labelling system.