

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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(R)-Semivioxanthin

Revision 0

Revision date 2011-04-14

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

1.1. Product identifier

Product name	(R)-Semivioxanthin
CAS No.	70477-26-8
Product code	BVT-0360

1.3. Details of the supplier of the safety data sheet

Company	BioViotica Naturstoffe GmbH
Address	c/o Adipogen AG Schützenstrasse 12 Postfach 335 CH-4410 Liestal
Web	www.bioviotica.com
Telephone	+41-61-926-60-40
Fax	+41-61-926-60-49
Email	info@bioviotica.com

1.4. Emergency telephone number


Emergency telephone number	+41-61-926-60-40
Company	BioViotica 9.00am to 6.00pm Mon-Fri Swiss Time

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 67/548/EEC	Xn; R21/22 Xi; R36
Main hazards	Harmful in contact with skin and if swallowed. Irritating to eyes.
2.1.2. Classification - EC 1272/2008	Acute Tox. 4: H302; Acute Tox. 4: H312; Eye Irrit. 2: H319;

2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	Acute Tox. 4: H302 - Harmful if swallowed. Acute Tox. 4: H312 - Harmful in contact with skin. Eye Irrit. 2: H319 - Causes serious eye irritation.
Precautionary Statement: Prevention	P270 - Do not eat, drink or smoke when using this product. P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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2.2. Label elements

Precautionary Statement: Response	<p>P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>P302+P352 - IF ON SKIN: Wash with plenty of soap and water.</p> <p>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P312 - Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>P330 - Rinse mouth.</p> <p>P337+P313 - If eye irritation persists: Get medical advice/attention.</p> <p>P363 - Wash contaminated clothing before reuse.</p>
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SECTION 3: Composition/information on ingredients

3.1. Substances

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EINECS No.	REACH Registration Number	Conc. (%w/w)	Classification
(R)-Semivioxanthin		70477-26-8			90 - 100%	Xn; R21/22 Xi; R36

EC 1272/2008

Chemical Name	Index No.	CAS No.	EINECS No.	REACH Registration Number	Conc. (%w/w)	Classification
(R)-Semivioxanthin		70477-26-8			90 - 100%	Acute Tox. 4: H302; Acute Tox. 4: H312; Eye Irrit. 2: H319;

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Harmful by inhalation. Inhalation may cause nausea and vomiting. May cause dizziness and headache. Move the exposed person to fresh air. Seek medical attention.
Eye contact	May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	May cause irritation to skin. May cause dermatitis. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Harmful if swallowed. Ingestion may cause nausea and vomiting. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use as appropriate: Carbon dioxide (CO2), Dry chemical, Foam.
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	Self-contained breathing apparatus. Wear protective clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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6.3. Methods and material for containment and cleaning up

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6.3. Methods and material for containment and cleaning up

	Avoid raising dust. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling




	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed.
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SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

	  
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear chemical protective clothing.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Self-contained breathing apparatus. Wear protective clothing.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Solid
Colour	Yellow/Green
Odour	Odourless
Solubility	Slightly soluble in water

SECTION 10: Stability and reactivity

10.2. Chemical stability

	Stable under normal conditions.
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10.6. Hazardous decomposition products

	Carbon oxides.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Harmful by inhalation, in contact with skin and if swallowed. Caution - substance not yet fully tested.
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SECTION 12: Ecological information

Further information

	No data is available on this product.
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SECTION 13: Disposal considerations

General information

	Dispose of in compliance with all local and national regulations.
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SECTION 14: Transport information**ADR/RID**

The product is not classified as dangerous for carriage.

IMDG

The product is not classified as dangerous for carriage.

IATA

The product is not classified as dangerous for carriage.

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

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

SECTION 16: Other information**Other information****Text of risk phrases in Section 3**

R21/22 - Harmful in contact with skin and if swallowed.
R36 - Irritating to eyes.

Text of Hazard Statements in Section 3

Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312 - Harmful in contact with skin.
Eye Irrit. 2: H319 - Causes serious eye irritation.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This 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 other process.