

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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Helenalin

Revision 2

Revision date 2014-11-21

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

1.1. Product identifier

Product name	Helenalin
CAS No.	6754-13-8
Product code	AG-CN2-0435

1.3. Details of the supplier of the safety data sheet

Company	Adipogen International
Address	Adipogen AG Schützenstrasse 12 Postfach 335 CH-4410 Liestal
Web	www.adipogen.com
Telephone	+41-61-926-60-40
Fax	+41-61-926-60-49
Email	info@adipogen.com

1.4. Emergency telephone number


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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	Acute Tox. 3: H301; Acute Tox. 4: H332;
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2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Acute Tox. 3: H301 - Toxic if swallowed. Acute Tox. 4: H332 - Harmful if inhaled.
Precautionary Statement: Prevention	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area.
Precautionary Statement: Response	P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

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2.2. Label elements

Precautionary Statement: Storage	P321 - Specific treatment (see on this label). P330 - Rinse mouth.
	P405 - Store locked up.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to

SECTION 3: Composition/information on ingredients

3.1. Substances

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Helenalin		6754-13-8			90 - 100%	

EC 1272/2008

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Helenalin		6754-13-8			90 - 100%	Acute Tox. 3: H301; Acute Tox. 4: H332;

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Toxic by inhalation. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Inhalation of vapour may cause shortness of breath. 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	Toxic in contact with skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention.
Ingestion	Toxic if swallowed. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. If swallowed, seek medical advice immediately and show this container or label. DO NOT INDUCE VOMITING.

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

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

6.1. Personal precautions, protective equipment and emergency procedures

	Avoid raising dust. Ensure adequate ventilation of the working area. Evacuate personnel to a safe 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

	Avoid raising dust. Sweep up. Transfer to suitable, labelled containers for disposal.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

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7.1. Precautions for safe handling

Avoid contact with eyes and skin. Avoid formation of dust. Ensure adequate ventilation of the working area.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed.

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 protective clothing.

Eye / face protection

Approved safety goggles.

Skin protection - Handprotection

Chemical resistant gloves (PVC).

Respiratory protection

Suitable half mask respirator with filter P3 (EN 143).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Solid
Colour	White/Off white
Odour	Odourless

9.2. Other information

Mass number	262.3
Chemical formula	C ₁₅ H ₁₈ O ₄

SECTION 10: Stability and reactivity

10.2. Chemical stability

Stable under normal conditions.

10.6. Hazardous decomposition products

Carbon oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Toxic by inhalation, in contact with skin and if swallowed. Caution - substance not yet fully tested.

SECTION 12: Ecological information

12.1. Toxicity

No data available

Further information

No data is available on this product.

SECTION 13: Disposal considerations

General information

Dispose of in compliance with all local and national regulations.

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SECTION 14: Transport information

Hazard pictograms



14.1. UN number

UN3462

14.2. UN proper shipping name

TOXINS, EXTRACTED FROM LIVING SOURCES, SOLID N.O.S.

14.3. Transport hazard class(es)

ADR/RID	6.1
Subsidiary risk	-
IMDG	6.1
Subsidiary risk	-
IATA	6.1
Subsidiary risk	-

14.4. Packing group

Packing group III

14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

ADR/RID

Hazard ID	60
Tunnel Category	(E)

IMDG

EmS Code F-A S-A

IATA

Packing Instruction (Cargo)	677
Maximum quantity	200 kg
Packing Instruction (Passenger)	670
Maximum quantity	100 kg

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.
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SECTION 16: Other information

Other information

Text of Hazard Statements in Section 3	Acute Tox. 3: H301 - Toxic if swallowed. Acute Tox. 4: H332 - Harmful if inhaled.
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Further information

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Further information

	<p>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.</p>
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