

## SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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### Cytisine

Revision 0

Revision date 2012-10-12

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

##### 1.1. Product identifier

Product name	Cytisine
Other means of identification	NSC 407282
CAS No.	485-35-8
Product code	AG-CN2-0075

##### 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 AG 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; Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;
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##### 2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Acute Tox. 3: H301 - Toxic if swallowed. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H335 - May cause respiratory irritation.
Precautionary Statement: Prevention	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

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## 2.2. Label elements

Precautionary Statement: Storage	P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 - Call a POISON CENTER or doctor/physician if you feel unwell. P330 - Rinse mouth. P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention.
	P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up.

## 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
Cytisine		485-35-8			90 - 100%	

EC 1272/2008

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Cytisine		485-35-8			90 - 100%	Acute Tox. 3: H301; Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;

## 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.

## SECTION 7: Handling and storage

### 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	Yellow
Odour	Odourless
Solubility	Slightly soluble in water

### 9.2. Other information

Chemical formula	C <sub>11</sub> H <sub>14</sub> N <sub>2</sub> O
Mass number	190.2

## SECTION 10: Stability and reactivity

### 10.2. Chemical stability

Stable under normal conditions.

### 10.6. Hazardous decomposition products

Carbon oxides. Nitrogen 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.

#### 11.1.4. Toxicological Information

Cytisine	Oral Mouse LD <sub>50</sub> : 101 mg/kg
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## SECTION 12: Ecological information

### 12.1. Toxicity

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## 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.

## SECTION 14: Transport information

## Hazard pictograms



## 14.1. UN number

UN2811

## 14.2. UN proper shipping name

TOXIC SOLID, ORGANIC, 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,
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## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

	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. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H335 - May cause respiratory irritation.
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### 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.
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