

## Celastrol

Revision 1

Revision date 2015-07-06

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

#### 1.1. Product identifier

|                               |             |
|-------------------------------|-------------|
| Product name                  | Celastrol   |
| Other means of identification | Tripterine  |
| CAS No.                       | 34157-83-0  |
| Product code                  | AG-CN2-0460 |

#### 1.3. Details of the supplier of the safety data sheet

|           |  |
|-----------|--|
| Company   | Adipogen International   |
| Address   | Adipogen AG<br>Schützenstrasse 12<br>Postfach 335<br>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<br>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; |
|--------------------------------------|---------------------|

#### 2.2. Label elements

|                                     |   |
|-------------------------------------|---|
| Hazard pictograms                   |                        |
| Signal Word                         | Danger  |
| Hazard Statement                    | Acute Tox. 3: H301 - Toxic if swallowed.  |
| Precautionary Statement: Prevention | P264 - Wash thoroughly after handling.<br>P270 - Do no eat, drink or smoke when using this product.       |
| Precautionary Statement: Response   | P301+P310 - IF SWALLOWED: IF SWALLOWED: Immediately call a POISON CENTER/doctor/ .<br>P330 - Rinse mouth. |
| Precautionary Statement: Storage    | P405 - Store locked up.   |

### SECTION 3: Composition/information on ingredients

# Celastrol

Revision 1  
Revision date 2015-07-06

## 3.1. Substances

### EC 1272/2008

| Chemical Name | Index No. | CAS No.    | EC No. | REACH Registration Number | Conc. (%w/w) | Classification      | M-factor. |
|---------------|-----------|------------|--------|---------------------------|--------------|---------------------|-----------|
| Celastrol     |           | 34157-83-0 |        |                           |              | Acute Tox. 3: H301; |           |

## 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 (CO <sub>2</sub> ), Dry chemical, Foam. |
|--|--|

### 5.2. Special hazards arising from the substance or mixture

|  |   |
|--|---|
|  | Burning produces irritating, toxic and obnoxious fumes. |
|--|---|

### 5.3. Advice for firefighters

|  |  |
|--|--|
|  | Wear: Self-contained breathing apparatus. Wear chemical protective clothing. |
|--|--|

## 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. |
|--|---|

### 6.2. Environmental precautions

|  |   |
|--|---|
|  | Do not allow product to enter drains. Prevent further spillage if safe. |
|--|---|

### 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

## Celastrol

Revision 1

Revision date 2015-07-06

## 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

|            |                    |
|------------|--------------------|
| Appearance | Solid              |
| Colour     | Red                |
| Odour      | Odourless          |
| Solubility | Insoluble in water |

## 9.2. Other information

|                  |  |
|------------------|--|
| Chemical formula | C <sub>29</sub> H <sub>38</sub> O <sub>4</sub> |
| Mass number      | 450.6  |

## 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. |
|----------------|---|

## 11.1.4. Toxicological Information

|           |   |
|-----------|---|
| Celastrol | Oral Mouse LD <sub>50</sub> : 238 mg/kg |
|-----------|---|

## 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. |
|--|---|


## SECTION 14: Transport information

## Celastrol

Revision 1

Revision date 2015-07-06

## 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, 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

|          |   |
|----------|---|
| Revision | This document differs from the previous version in the following areas:.<br>14 - ADR/RID.<br>14 - IMDG. |
|----------|---|

## Celastrol

Revision 1

Revision date 2015-07-06

## Other information

|  |  |
|--|--|
| Text of Hazard Statements in Section 3 | 14 - IATA.                               |
|  | Acute Tox. 3: H301 - Toxic if swallowed. |

## 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. |
|--|--|