

## CHEMICAL SAFETY DATA SHEET

according to 1907/2006/EC Article 31, as amended by N° 453/2010

1692001

 Reviewed on: 07/06/17  
 Printing date: 07/06/2017

**SECTION 01: Identification of the substance/mixture and of the company/undertaking**

## 1.1 Product identifier

- Trade name:  
FENUGREEK ABSOLUTE
- Article number:  
F1444
- \* • CAS Number:  
68990-15-8
- EINECS Number:  
283-415-1
- No CAS EINECS:  
84625-40-1

 1.2 Relevant identified uses of the substance or mixture and uses advised against  
 Application of the substance / the preparation  
 Flavouring agent

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

- Manufacturer/Supplier:
- \* BIOLANDES TEL: +33(0)5.58.51.00.00
  - \* Route de Bélis email: fds@biolandes.com
  - \* 40420 LE SEN
  - \* FRANCE

 1.4 Emergency telephone number:  
 FR-ORFILA (INRS):+33(0)1 45 42 59 59

**SECTION 02: Hazards identification**

## 2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008  
Void

## 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms  
Void
- Signal word  
Void
- Hazard statements  
Void

## 2.3 Other hazards

- Results of PBT and vPvB assessment
- PBT:  
Not applicable.
- \* - vPvB:  
Not applicable.

**SECTION 03: Composition/information on ingredients**

## 3.1 Chemical characterization: Substances

- | <b>CAS No.</b> | <b>Description</b>              |
|----------------|---------------------------------|
| * 68990-15-8   | Trigonella foenum-graecum extr. |
- Identification number(s)
  - EINECS number:  
283-415-1
  - Dangerous components:

EU

(continued on page 2)

1692001

Reviewed on: 07/06/17  
 Printing date: 07/06/2017

**PRODUCT : FENUGREEK ABSOLUTE**

*(continued of page 1)*

**SECTION 04: First aid measures**

- 4.1 Description of first aid measures
- General information:
    - \* Seek immediate medical advice.
  - After inhalation:
    - Supply fresh air and to be sure call for a doctor.
  - After skin contact:
    - If skin irritation continues, consult a doctor.
  - After eye contact:
    - Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
  - After swallowing:
    - Seek immediate medical advice.
  - Information for doctor:
- 4.2 Most important symptoms and effects, both acute and delayed
- \* No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed
- \* No further relevant information available.

**SECTION 05: Firefighting measures**

- 5.1 Extinguishing media
- Suitable extinguishing agents:
    - CO2, sand, extinguishing powder. Do not use water.
    - Use fire extinguishing methods suitable to surrounding conditions.
  - For safety reasons unsuitable extinguishing agents:
    - Water with full jet
- 5.2 Special hazards arising from the substance or mixture
- \* No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:
    - Do not inhale explosion gases or combustion gases.
  - Additional information
    - Cool endangered receptacles with water spray.

**SECTION 06: Accidental release measures**

- 6.1 Personal precautions, protective equipment and emergency procedures
- \* Wear protective equipment. Keep unprotected persons away.
  - Keep away from ignition sources.
- 6.2 Environmental precautions:
- Do not allow product to reach sewage system or any water course.
- 6.3 Methods and material for containment and cleaning up:
- Dispose of the material collected according to regulations.
- 6.4 Reference to other sections
- \* See Section 7 for information on safe handling.
  - \* See Section 8 for information on personal protection equipment.
  - \* See Section 13 for disposal information.

**SECTION 07: Handling and storage**

- Handling:
  - 7.1 Precautions for safe handling
    - Store in cool, dry place in tightly closed receptacles.
    - Keep away from heat and direct sunlight.
    - Ensure good ventilation/exhaustion at the workplace.
- \* Handle with care. Avoid jolting, friction and impact.
- Information about fire - and explosion protection:
  - Keep ignition sources away - Do not smoke.

*(continued on page 3)*

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1692001

Reviewed on: 07/06/17  
Printing date: 07/06/2017**PRODUCT : FENUGREEK ABSOLUTE***(continued of page 2)*

Protect against electrostatic charges.

## 7.2 Conditions for safe storage, including any incompatibilities

- Storage:
- Requirements to be met by storerooms and receptacles:  
Store in a cool location.
- Further information about storage conditions:  
Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.  
Store receptacle in a well ventilated area.

## 7.3 Specific end use(s)

\* No further relevant information available.

**SECTION 08: Exposure controls/personal protection**

## 8.1 Control parameters

- Ingredients with limit values that require monitoring at the workplace:  
Not required.

CAS No.	Designation of material	%	Type	Value	Unit
Not required.					

- Additional information:  
The lists valid during the making were used as basis.

## 8.2 Exposure controls

- Personal protective equipment:
- General protective and hygienic measures:  
The usual precautionary measures are to be adhered to when handling chemicals.
- Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.
- Protection of hands: Protective gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- Material of gloves  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- Penetration time of glove material  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Safety glasses

**SECTION 09: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Appearance:**

<b>Form:</b>	viscous
<b>Colour:</b>	pale brown to dark brown
<b>Odour:</b>	spicy
<b>Odour threshold:</b>	Not determined.

**Change in condition**

<b>Boiling point/Boiling range:</b>	Not determined.
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<b>Flash point:</b>	100 °C	NFT 60-103 CC
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<b>Flammability (solid, gaseous):</b>	Not determined.
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<b>Self-igniting:</b>	Not determined.
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<b>Danger of explosion:</b>	Not determined.
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<b>Vapour pressure:</b>	Not determined.
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<b>Density:</b>	Not determined.
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**Solubility in / Miscibility with**

<b>water:</b>	Not determined.
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*(continued on page 4)*

1692001

 Reviewed on: 07/06/17  
 Printing date: 07/06/2017

**PRODUCT : FENUGREEK ABSOLUTE**
*(continued of page 3)*

	<b>Partition coefficient (n-octanol/water):</b>	Not determined.
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*	<b>9.2 Other information</b>	No further relevant information available.
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### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

#### 10.2 Chemical stability

Thermal decomposition / conditions to be avoided:  
 Not determined.

#### 10.3 Possibility of hazardous reactions

No dangerous reactions known.

#### 10.4 Conditions to avoid

No further relevant information available.

#### 10.5 Incompatible materials:

\* No further relevant information available.

#### 10.6 Hazardous decomposition products:

Not determined.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

- \* Acute toxicity:
- \* LD/LC50 values relevant for classification:  
 Not determined.
- \* Primary irritant effect:
- \* on the skin:  
 No irritant effect.
- \* on the eye:  
 No irritating effect.
- \* Sensitization:  
 No sensitizing effects known.
- \* Subacute to chronic toxicity:  
 Not determined.
- \* Additional toxicological information:  
 The substance is not subject to classification according to the latest version of the EU lists.

### SECTION 12: Ecological information

#### 12.1 Toxicity

- \* Aquatic toxicity:  
 No further relevant information available.

#### 12.2 Persistence and degradability

Not determined.

- \* Behaviour in environmental systems:  
 Not determined.

#### 12.3 Bioaccumulative potential

\* No further relevant information available.

#### 12.4 Mobility in soil

No further relevant information available.

- \* Ecotoxicological effects:  
 Not determined.
- \* Additional ecological information:
- \* General notes:  
 Do not allow product to reach ground water, water course or sewage system.

#### 12.5 Results of PBT and vPvB assessment

*(continued on page 5)*

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**PRODUCT : FENUGREEK ABSOLUTE**

(continued of page 4)

- PBT:  
Not applicable.
- vPvB:  
Not applicable.

12.6 Other adverse effects  
No further relevant information available.

### SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Recommendation  
Must be specially treated adhering to official regulations.
- Uncleaned packaging:
- Recommendation:  
Disposal must be made according to official regulations.

### SECTION 14: Transport information

14.1 UN-Number

**ADR** Void

**IMDG** Void

**IATA** Void

14.2 UN proper shipping name

**ADR** Void

**IMDG** Void

**IATA** Void

14.3 Transport hazard class(es)

**ADR**

**Class** Void

**IMDG**

**Class** Void

**IATA**

**Class** Void

14.4 Packing group

**ADR** Void

**IMDG** Void

**IATA** Void

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

\* Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

- Transport/Additional information:  
Not applicable.

### SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

EU

(continued on page 6)

1692001

Reviewed on: 07/06/17  
 Printing date: 07/06/2017

**PRODUCT : FENUGREEK ABSOLUTE**

*(continued of page 5)*

**SECTION 16: Other information**

The information in this safety data sheet is based on the state of our knowledge at the date indicated. The information in this sheet must be regarded as a description of the safety requirements for the product, they are not to be considered a warranty or quality specification and have no contractual value on properties and application areas thereof. The information contained in this safety data sheet relate to the specific material designated and may not be valid with respect to the product associated with another product or process, unless it is specified in the text of this document. The required information complies with EU regulations in force. It does not exempt the user from knowing and applying all the national regulations in force.

- Training hints
  - \* Minimum training in occupational risk prevention is recommended for personnel who will handle this product, in the purpose of facilitating the understanding and interpretation of this form of safety data in the same way as the labeling of the product.
- Abbreviations and acronyms:
  - IFRA: International Fragrance Association IOFI: International Organization of the Flavor Industry
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  - IMDG: International Maritime Code for Dangerous Goods
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - ICAO: International Civil Aviation Organisation
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
- Sources
  - \* IFRA/IOFI Labelling Manual, REACH registration dossier, supplier information
- \* Data compared to the previous version altered.