

CHEMICAL SAFETY DATA SHEET

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

1364005

Reviewed on: 26/04/17
Printing date: 26/04/2017**SECTION 01: Identification of the substance/mixture and of the company/undertaking**

1.1 Product identifier

- Trade name:
FENUGREEK ABS 80% / MPG
- Article number:
F1425

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
EUH210 Safety data sheet available on request.

2.3 Other hazards

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

SECTION 03: Composition/information on ingredients

3.2 Chemical characterization: Mixtures

- Description:
Mixture
- Dangerous components:

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:

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- * 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.
 Dilute with plenty of water.
- * 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.
 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.

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SECTION 08: Exposure controls/personal protection
8.1 Control parameters

- Ingredients with limit values that require monitoring at the workplace:
 The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

CAS No.	Designation of material	%	Type	Value	Unit
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.					

- 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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- 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:

Form:	heterogeneous viscous liquid
Colour:	orange-brown
Odour:	spicy
Odour threshold:	Not determined.

Change in condition

Boiling point/Boiling range:	Not determined.
Flash point:	> 100 °C NFT 60-103 CC
Flammability (solid, gaseous):	Not determined.
Self-igniting:	Not determined.
Danger of explosion:	Not determined.
Vapour pressure:	Not determined.
Density:	Not determined.
Relative density :	0,0935 - 1.030 D20/20

Solubility in / Miscibility with

water:	Not determined.
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Partition coefficient (n-octanol/water):	Not determined.
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* 9.2 Other information	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:
Not determined.
- 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 product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

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

- * • PBT:
Not applicable.
- * • vPvB:
Not applicable.

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- 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.

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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.