

Safety Data Sheet
according to 29 CFR 1910.1200

1745102

Reviewed on: 10/06/21
Printing date: 10/06/2021

01 Identification

1.1 Product identifier

- Trade name:
BARLEY ROASTED EXTRACT 40%/ETH
- Article number:
F1876

1.2 Relevant identified uses of the substance or mixture and uses advised against

- Application of the substance / the preparation
Flavouring agents
* Only for industrial use

1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:
BIOLANDES, BP2 TEL: +33(0)5.58.51.00.00
* 2760 Route de Béliis email: fds@biolandes.com
* 40420 LE SEN
FRANCE

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

02 Hazard(s) identification

2.1 Classification of the substance or mixture



GHS02

Flam. Liq. 2 - H225 Highly flammable liquid and vapor.



GHS07

- * Eye Irrit. 2A - H319 Causes serious eye irritation.

2.2 Label elements

- GHS label elements
- Hazard pictograms



GHS02 GHS07

- Signal word

Danger

- Hazard statements

 H225 Highly flammable liquid and vapor.
H319 Causes serious eye irritation.

- Precautionary statements

- * P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- * P233 Keep container tightly closed.
- * P240 Ground/bond container and receiving equipment.
- * P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- * P403+P235 Store in a well-ventilated place. Keep cool.
- * P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

03 Composition/information on ingredients

3.2 Chemical characterization: Mixtures

- Description:
Mixture
- Dangerous components:

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	CAS Number	%
*	64-17-5 Ethanol	50,001-100
*	EC Number: 200-578-6	

04 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.

05 Fire-fighting measures

- Suitable extinguishing agents:
CO2, sand, extinguishing powder. Do not use water.
Use fire fighting measures that suit the environment.
 - For safety reasons unsuitable extinguishing agents:
Water with full jet
- * 5.2 Special hazards arising from the substance or mixture
* Formation of toxic gases is possible during heating or in case of fire.
- Protective equipment:
Do not inhale explosion gases or combustion gases.
 - Additional information
Cool endangered receptacles with water spray.

06 Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
- * Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources
- * 6.3 Methods and material for containment and cleaning up:
* Dispose contaminated material as waste according to item 13.
* Ensure adequate ventilation.
- 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.

07 Handling and storage

- Handling:
- * 7.1 Precautions for safe handling
* Keep receptacles tightly sealed.
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Handle with care. Avoid jolting, friction and impact.
- Information about protection against explosions and fires:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
 - Storage:
- * Requirements to be met by storerooms and receptacles:
* Store only in the original receptacle.
* Use only receptacles specifically permitted for this substance/ product.

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- * • Further information about storage conditions:
 - * Keep receptacle tightly sealed.
 - Protect from heat and direct sunlight.
 - Store receptacle in a well ventilated area.
- 7.3 Specific end use(s)
No further relevant information available.

08 Exposure controls/personal protection

- Components 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 that were valid during the creation were used as basis.
 - Personal protective equipment:
 - * • General protective and hygienic measures:
 - * The usual precautionary measures for handling chemicals should be followed.
 - * Wash hands before breaks and at the end of work.
 - Breathing equipment: 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

09 Physical and chemical properties

General Information

Appearance:

Form:	liquid, may contain a deposit
Color:	red-brown
Odor:	Characteristic
Odor threshold:	Not determined.

Change in condition

Boiling point/Boiling range:	Undetermined.
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* Flash point:	22,0 °C	NFT 60-103 CC
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* Flammability (solid, gaseous):	Undetermined.
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* Auto igniting:	Not determined.
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Danger of explosion:	Undetermined.
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Vapor pressure:	Not determined.
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Density:	Not determined.
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Relative density	0,8500 0,9000 D20/20
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Solubility in / Miscibility with

Water:	Not determined.
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Partition coefficient (n-octanol/water):	Not determined.
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Other information	No further relevant information available.
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10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:
Undetermined.
- Incompatible materials:
No further relevant information available.
- Hazardous decomposition products:
Undetermined.

* 11 Toxicological information

- Acute toxicity:
- LD/LC50 values that are relevant for classification:

ISO LD/LC

64-17-5

Ethanol

Oral, LD50: 7060 mg/kg (rat)
Inhalative, LC50/4h: 20000 mg/l (rat)

- Primary irritant effect:
- on the skin:
No irritant effect.
- * on the eye:
No irritating effect.
- * Sensitization:
No sensitizing effects known.
- * Subacute to chronic toxicity:
Undetermined.
- * Additional toxicological information:
* Carcinogenic if inhaled.

12 Ecological information

- Aquatic toxicity:
No further relevant information available.
- * Persistence and degradability
* No further relevant information available.
- Behavior in environmental systems:
Not determined.
- Bioaccumulative potential
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.

13 Disposal considerations

- Waste treatment methods
- Recommendation:
Must be specially treated adhering to official regulations.
- Uncleaned packagings:
- Recommendation:
Disposal must be made according to official regulations.

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14 Transport information

- UN-Number

DOT UN1170

ADR UN1170

IMDG UN1170

IATA UN1170

- UN proper shipping name

DOT ETHANOL, MIXTURE

ADR 1170 ETHANOL 60%, MIXTURE

IMDG ETHANOL (ETHYL ALCOHOL) 60%, MIXTURE

IATA ETHANOL (ETHYL ALCOHOL) 60%, MIXTURE

- Transport hazard class(es)

DOT
Class 3 Flammable liquids

Label
3

ADR
Class 3 (F1) Flammable liquids

Label
3

IMDG
Class 3 Flammable liquids

Label
3

IATA
Class 3 Flammable liquids

Label
3


- Packing group

DOT II

ADR II

IMDG II

IATA II

- Environmental hazards:

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Not applicable.

- Special precautions for user
Warning: Flammable liquids

Danger code (Kemler): 33

EMS Number: F-E,S-D

- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable.

- Transport/Additional information:
Not applicable.

DOT

Quantity limitations On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L

IMDG

Limited quantities (LQ) 1L

Excepted quantities (EQ) E2

- UN "Model Regulation":
UN 1170 ETHANOL 60%, MIXTURE, 3, II

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
Non-mandatory

- Hazardous Air Pollutants
- | | | |
|---|----------|------------|
| * | 108-88-3 | TOLUENE |
| * | 71-43-2 | benzene *- |

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 US regulations in force. It does not exempt the user from knowing and applying all the national regulations in force.

- Relevant phrases

H225	Highly flammable liquid and vapor.
H319	Causes serious eye irritation.

- 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.

- Date of preparation / last revision
10.06.2021

- 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)

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LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

- * • Sources
- * IFRA/IOFI Labelling Manual, REACH registration dossier, supplier information
- * Data compared to the previous version altered.