

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

1628302

 Reviewed on: 19/11/18
 Printing date: 20/12/2019

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

1.1 Product identifier

- Trade name:
BLACKCURRANT ABSOLUTE
- Article number:
F0424
- CAS Number:
97676-19-2
- EC Number:
271-749-0
- No CAS EINECS:
68606-81-5

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

Application of the substance / the preparation

Flavouring agent
 * Only for industrial use
 Perfume ingredient

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



GHS08

* Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways.



GHS07

* Acute Tox. 4 - H302 Harmful if swallowed.
 * Skin Sens. 1 - H317 May cause an allergic skin reaction.



GHS09

* Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008

- Hazard pictograms



GHS08 GHS07 GHS09

- Signal word

Danger

- Hazard statements

* H304 May be fatal if swallowed and enters airways.
 * H302 Harmful if swallowed.
 * H317 May cause an allergic skin reaction.
 * H411 Toxic to aquatic life with long lasting effects.

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- Precautionary statements
- * P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- * P264 Wash thoroughly after handling.
- * P270 Do not eat, drink or smoke when using this product.
- * P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
- * P405 Store locked up.
- * P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.













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

CAS No.	Description	%
* 97676-19-2	Ribes nigrum L.	
	• Identification number(s)	
	• EC number: 271-749-0	
	• Dangerous components:	
* CAS Number		%
* 64-17-5	ethyl alcohol	1,001- 5,00
	EC number: 200-578-6	
	 Flam. Liq. 2 - H225;  Eye Irrit.	
	2 - H319	
* 80-56-8	pin-2(3)-ene	1,001- 5,00
	EC number: 201-291-9	
	 Asp. Tox. 1 - H304;  Flam. Liq. 3	
	- H226;  Acute Tox. 4 - H302, Skin	
	Irrit. 2 - H315, Skin Sens. 1B - H317	
* 127-91-3	beta-Pinene	0,101-1,00
	 Asp. Tox. 1 - H304;  Flam. Liq. 3	
	- H226;  Skin Irrit. 2 - H315, Skin	
	Sens. 1B - H317	
* 5989-27-5	d-limonene	0,101-1,00
	 Asp. Tox. 1 - H304;  Flam. Liq. 3	
	- H226;  Skin Irrit. 2 - H315, Skin	
	Sens. 1B - H317;  Aquatic Chronic 2 -	
	H411	

SECTION 04: First aid measures

4.1 Description of first aid measures

- General information:
- * Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
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.

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- * Immediately wash with water and soap and rinse thoroughly.
 - After eye contact:
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- * After swallowing:
 - 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.
Inform respective authorities in case of seepage into water course or sewage system.

- * 6.3 Methods and material for containment and cleaning up:
- * Dispose contaminated material as waste according to item 13.

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.

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- Prevent any seepage into the ground.
- 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:
Keep away from foodstuffs, beverages and feed.
- * • Avoid contact with the skin.
- 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:

- | | |
|------------------|------------------|
| * Form: | pasty |
| * Colour: | dark brown-green |
| * Odour: | green |
| Odour threshold: | Not determined. |

Change in condition

- | | |
|--|------------------------|
| * Initial boiling point and boiling range: | Not determined. |
| * Flash point: | 80 °C NFT 60-103 CC |
| * Flammability (solid, gas): | Not determined. |
| * Auto-ignition temperature: | Not determined. |
| Explosive properties: | Not determined. |
| Vapour pressure: | Not determined. |
| Density: | Not determined. |
| Solubility in / Miscibility with water: | Not determined. |

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Partition coefficient: n-octanol/water: Not determined.

9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

- * 10.1 Reactivity
No further relevant information available.
- 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:
- ISO LD/LC**
- 64-17-5 ethanol**
Oral, LD50: 7060 mg/kg (rat)
Inhalative, LC50/4h: 20000 mg/l (rat)
 - 5989-27-5 (R)-p-mentha-1,8-diene**
Oral, LD50: 4400 mg/kg (rat)
 - Primary irritant effect:
 - on the skin:
No irritant effect.
 - on the eye:
No irritating effect.
 - * • Sensitization:
Sensitization possible through skin contact.
 - * • Subacute to chronic toxicity:
Not determined.

SECTION 12: Ecological information

- 12.1 Toxicity
 - Aquatic toxicity:
- * **5989-27-5 (R)-p-mentha-1,8-diene**
LD50: 0,71 mg/l (fish) (OECD 203)
- 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

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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.
- * • Toxic for aquatic organisms
The material is harmful to the environment.

12.5 Results of PBT and vPvB assessment

- 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

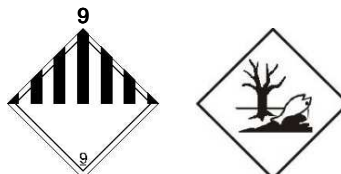
- * **ADR** UN3077
- * **IMDG** UN3077
- * **IATA** UN3077

14.2 UN proper shipping name

- * **ADR** 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (RIBES NIGRUM L.)
- * **IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (RIBES NIGRUM L.)
- * **IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (RIBES NIGRUM L.)

14.3 Transport hazard class(es)

- * **ADR**
- * **Class** 9 (M7) Miscellaneous dangerous substances and articles.
- * **Label**



- * **IMDG**
- * **Class** 9 Miscellaneous dangerous substances and articles.

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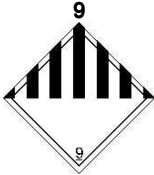

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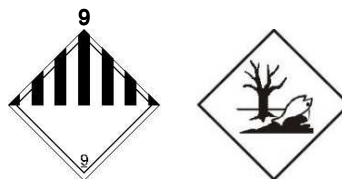
* **Label**

IATA

* **Class** 9 Miscellaneous dangerous substances and articles.

* **Label**



14.4 Packing group

* **ADR** III

* **IMDG** III

* **IATA** III

* 14.5 Environmental hazards:

* **Marine pollutant:** Yes

* 14.6 Special precautions for user

* Warning: Miscellaneous dangerous substances and articles.

* **Danger code (Kemler):** 90

* **EMS Number:** F-A,S-F

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

- Transport/Additional information:
Not applicable.

* **Excepted quantities (EQ):** E1

* **Limited quantities (LQ)** 5 kg

* **Transport category** 3

IMDG

* **Limited quantities (LQ)** 5 kg

* **Excepted quantities (EQ)** E1

- UN "Model Regulation":
UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (RIBES NIGRUM L.), 9, III

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

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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.

- Relevant phrases

	H225	Highly flammable liquid and vapour.
	H226	Flammable liquid and vapour.
*	H302	Harmful if swallowed.
*	H304	May be fatal if swallowed and enters airways.
*	H315	Causes skin irritation.
*	H317	May cause an allergic skin reaction.
*	H319	Causes serious eye irritation.
*	H411	Toxic to aquatic life with long lasting effects.

- 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.