

Safety Data Sheet
according to 29 CFR 1910.1200

1587202

Reviewed on: 22/10/19
Printing date: 22/10/2019

01 Identification

1.1 Product identifier

- Trade name:
FIR BALSAM ABSOLUTE
- Article number:
F1418
- CAS Number:
8021-28-1
- EC Number:
285-364-0

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

- Application of the substance / the preparation
Perfume ingredient
- * 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 Bélis 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



GHS07

Skin Sens. 1 - H317 May cause an allergic skin reaction.

2.2 Label elements

- GHS label elements
- Hazard pictograms



GHS07

- Signal word
Warning

- Hazard statements
H317 May cause an allergic skin reaction.

- Precautionary statements
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves.

- * P302+P352 If on skin: Wash with plenty of water.
P321 Specific treatment (see on this label).
P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

03 Composition/information on ingredients

3.1 Chemical characterization: Substances

- | CAS No. | Description |
|-------------|---------------------------|
| * 8021-28-1 | Abies balsamea (L.) Mill. |

- Identification number(s)
- EC Number:
285-364-0

- Dangerous components:

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*	CAS Number		%
*	475-20-7	longifolene	0,101-1,00
*		EC Number: 207-491-2	
*	89-83-8	thymol	0,101-1,00
*		EC Number: 201-944-8	

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.
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:
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:
- * Pick up mechanically.
- 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.

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- Storage:
- * Requirements to be met by storerooms and receptacles:
- * Store only in the original receptacle.
- * Prevent any seepage into the ground.
- * Use only receptacles specifically permitted for this substance/ product.
- * 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:
Not required.
- CAS No.** **Designation of material** **%** **Type** **Value Unit**
- Not required.
- 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.
- * Immediately remove all soiled and contaminated clothing.
- * Wash hands before breaks and at the end of work.
- * Avoid contact with the skin.
- 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.
- 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:	pasty
Color:	green-brown
Odor:	woody
Odor threshold:	Not determined.
Change in condition	
Boiling point/Boiling range:	Undetermined.
* Flash point:	> 100,0 °C NFT 60-103 CC
* Flammability (solid, gaseous):	Undetermined.
* Auto igniting:	Not determined.
* Danger of explosion:	Undetermined.
* Vapor pressure:	Not applicable.
Density:	Not determined.
Solubility in / Miscibility with	
Water:	Not determined.

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

Other information No further relevant information available.

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

89-83-8 thymol

Oral, LD50: 980 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:
Undetermined.
- OSHA-Ca (Occupational Safety & Health Administration)
Substance is not listed.

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:
Very toxic for aquatic organisms
Danger to drinking water if even extremely small quantities leak into the ground.
The material is harmful to the environment.

13 Disposal considerations

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

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Disposal must be made according to official regulations.

14 Transport information

- UN-Number

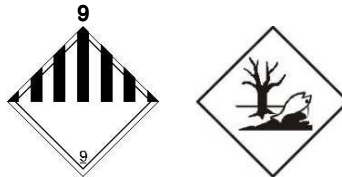
DOT UN3077
ADR UN3077
IMDG UN3077
IATA UN3077

- * • UN proper shipping name

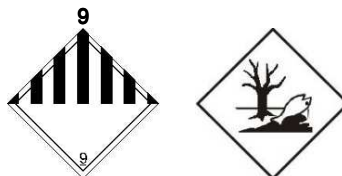
DOT ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
* **ADR** 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ABIES BALSAMEA EXTR.)
IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ABIES BALSAMEA EXTR.)

- Transport hazard class(es)

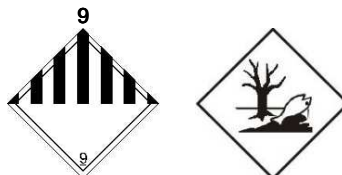
DOT
Class 9 Miscellaneous dangerous substances and articles
Label



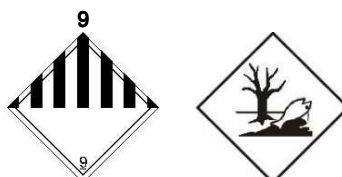
ADR
Class 9 (M7) Miscellaneous dangerous substances and articles
Label



IMDG
Class 9 Miscellaneous dangerous substances and articles
Label



IATA
Class 9 Miscellaneous dangerous substances and articles
Label



- Packing group

DOT III
ADR III

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IMDG	III
IATA	III
• Environmental hazards:	
Marine pollutant:	Yes
• Special precautions for user Warning: Miscellaneous dangerous substances and articles	
Danger code (Kemler):	90
EMS Number:	F-A,S-F
• 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: No limit On cargo aircraft only: No limit
IMDG	
Limited quantities (LQ)	5 kg
Excepted quantities (EQ)	E1
• UN "Model Regulation": UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III	

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
Non-mandatory
- Hazardous Air Pollutants
Substance is not listed.

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**

- * H302 Harmful if swallowed.
- * H304 May be fatal if swallowed and enters airways.
- * H314 Causes severe skin burns and eye damage.
- * H315 Causes skin irritation.
- * H317 May cause an allergic skin reaction.
- * H318 Causes serious eye damage.
- * H400 Very toxic to aquatic life.
- * H401 Toxic to aquatic life.
- * H410 Very toxic to aquatic life with long lasting effects.
- * 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.

- **Date of preparation / last revision**
22.10.2019

- **Abbreviations and acronyms:**

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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

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