

1606303

Reviewed on: 12.19.2022
Printing date: 12.19.2022

01 Identification

1.1 Product identifier

- Trade name:
NUTMEG ABSOLUTE
- Article number:
F1806
- CAS Number:
8008-45-5
- EC Number:
282-013-3

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



GHS08

- * Germ Cell Mutagenicity 2 - H341 Suspected of causing genetic defects.
- * Carcinogenicity 1A - H350 May cause cancer.
- * Aspiration Hazard 1 - H304 May be fatal if swallowed and enters airways.



GHS07

- * Sensitization - Skin 1 - H317 May cause an allergic skin reaction.



GHS09

- * Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.
- * H401 Toxic to aquatic life.

2.2 Label elements

- GHS label elements
- Hazard pictograms



GHS08



GHS07



GHS09

- Signal word
Danger

- Hazard statements

- * H304 May be fatal if swallowed and enters airways.
- * H317 May cause an allergic skin reaction.
- * H341 Suspected of causing genetic defects.
- * H350 May cause cancer.
- H411 Toxic to aquatic life with long lasting effects.

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- Precautionary statements
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray
- * 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.

03 Composition/information on ingredients

3.1 Chemical characterization: Substances

CAS No. **Description**
8008-45-5 Myristica fragrans Houtt.

- Identification number(s)
- EC Number:
282-013-3

- Dangerous components:

	CAS Number		%
*	97-54-1	isoeugenol	1,001- 5,00
		EC Number: 202-590-7	
*	94-59-7	safrole	0,101-1,00
		EC Number: 202-345-4	
*	93-15-2	methyl eugenol	0,101-1,00
		EC Number: 202-223-0	
*	97-53-0	eugenol	0,101-1,00
*		EC Number: 202-589-1	

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.

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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.
 - Open and handle receptacle with care.
 - 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.
 - 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.
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing.
 - Wash hands before breaks and at the end of work.
 - Store protective clothing separately.
 - Do not inhale gases / fumes / aerosols.
 - Do not inhale dust / smoke / mist.
 - Avoid contact with the skin.
 - Breathing equipment:
 - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
 - Suitable respiratory protective device recommended.
 - 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.

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- 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:	orange-red
Odor:	spicy
Odor threshold:	Not determined.

Change in condition

Boiling point/Boiling range:	Undetermined.
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* Flash point:	> 100,0 °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 applicable.
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Density:	Not determined.
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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
97-54-1 isoeugenol

Oral, LD50: 1560 mg/kg (rat)

94-59-7 saffrole

Oral, LD50: 1950 mg/kg (rat)

Dermal, LD50: >5000 mg/kg (Rabbit)

* 93-15-2 methyl eugenol

* Oral, LD50: 810 mg/kg (rat) (Beroza and al., 1975)
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* 97-53-0 eugenol

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- * Oral, LD50: 1930 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.
- Specific target organ toxicity - single exposure
- * Not determined.
- Specific target organ toxicity - repeated exposure
- * Not determined.

12 Ecological information

- * • Aquatic toxicity:
- * **93-15-2 methyl eugenol**
- * CE50/48h: 38 mg/l (daphnia) (Ministry of the Environment of Japan 2018)
- * ErC50(0-72h): 22 mg/l (algae) (Ministry of the Environment of Japan 2018)
- * 96h-LC50: 14 mg/l (fish) (Ministry of the Environment of Japan 2018)
- * • 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: Toxic for aquatic organisms
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: 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 SUBSTANCES, SOLID, N.O.S.
(MYRISTICA FRAGRANS HOUTT.)
- ADR** 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S.
(MYRISTICA FRAGRANS HOUTT.)

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IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(MYRISTICA FRAGRANS HOUTT.)
IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(MYRISTICA FRAGRANS HOUTT.)

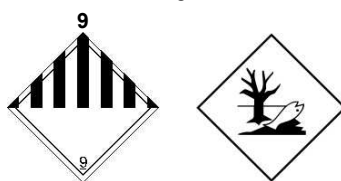
- Transport hazard class(es)

DOT

Class

9 Miscellaneous dangerous substances and articles

Label

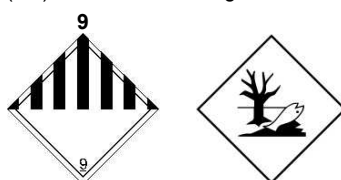


ADR

Class

9 (M7) Miscellaneous dangerous substances and articles

Label

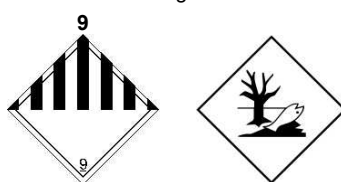


IMDG

Class

9 Miscellaneous dangerous substances and articles

Label

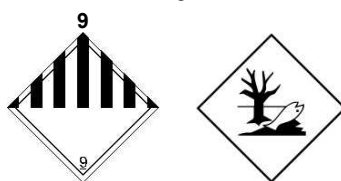


IATA

Class

9 Miscellaneous dangerous substances and articles

Label



- Packing group

DOT

III

ADR

III

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

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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 SUBSTANCES, SOLID, N.O.S. (MYRISTICA FRAGRANS HOUTT.), 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.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H351	Suspected of causing cancer.
H401	Toxic to aquatic life.
- 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
19.12.2022
- 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
- Sources
IFRA/IOFI Labelling Manual, REACH registration dossier, supplier information
- * Data compared to the previous version altered.