

1693302

Reviewed on: 04.17.2024  
Printing date: 04.17.2024

## 01 Identification

### 1.1 Product identifier

- Trade name:  
SAFFRON OLEORESIN 5%/MPG
- Article number:  
F2675

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

- Application of the substance / the preparation  
Perfume ingredient  
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 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

\*

Sensitization - Skin 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

### 3.2 Chemical characterization: Mixtures

\*

- Description:  
Mixture

- Dangerous components:

CAS Number

%

\*

116-26-7

2,3-Dihydro-2,6,6-trimethylbenzaldehyde

0,101-1,000

(Safranal)

EC Number: 204-133-7

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#### 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.
- \* Immediately rinse with water.
- 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.  
Prevent formation of aerosols.
  - \* 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.
  - Further information about storage conditions:  
Keep receptacle tightly sealed.  
Protect from heat and direct sunlight.  
Store receptacle in a well ventilated area.

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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.
- \* Immediately remove all soiled and contaminated clothing.
- \* Wash hands before breaks and at the end of work.
- \* Do not inhale gases / fumes / aerosols.
- \* Do not inhale dust / smoke / mist.
- \* Avoid contact with the skin.
- Breathing equipment:  
Use suitable respiratory protective device in case of insufficient ventilation.
- \* 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.
- 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                             |  |
|---|--|
| <b>Appearance:</b>                              |  |
| <b>Form:</b>                                    | viscous                                    |
| <b>Color:</b>                                   | orange-red                                 |
| <b>Odor:</b>                                    | saffron                                    |
| <b>Odor threshold:</b>                          | Not determined.                            |
| <b>Change in condition</b>                      |  |
| <b>Boiling point/Boiling range:</b>             | Undetermined.                              |
| <b>Flash point:</b>                             | > 100,0 °C NFT 60-103 CC                   |
| <b>Flammability (solid, gaseous):</b>           | Undetermined.                              |
| <b>Auto igniting:</b>                           | Not determined.                            |
| <b>Danger of explosion:</b>                     | Undetermined.                              |
| <b>Vapor pressure:</b>                          | Not determined.                            |
| <b>Density:</b>                                 | Not determined.                            |
| <b>Solubility in / Miscibility with</b>         |  |
| <b>Water:</b>                                   | Not determined.                            |
| <b>Partition coefficient (n-octanol/water):</b> | Not determined.                            |
| <b>Other information</b>                        | No further relevant information available. |

USA

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- 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:  
Undetermined.
- 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.
- \* • Additional toxicological information:  
\* The product shows the following dangers according to internally approved calculation methods for preparations:  
\* Irritant  
Carcinogenic if inhaled.
- Specific target organ toxicity - single exposure  
Not determined.
- Specific target organ toxicity - repeated exposure  
Not determined.

**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.

**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** Not classified
- \* . **ADR** Not classified
- \* . **IMDG** Not classified
- \* . **IATA** Not classified
- UN proper shipping name
- \* . **DOT** Not classified
- \* . **ADR** Not classified
- \* . **IMDG** Not classified
- \* . **IATA** Not classified
- Transport hazard class(es)
- \* . **DOT**
- \* . **Class** Not classified
- \* . **ADR**
- \* . **Class** Not classified
- \* . **IMDG**
- \* . **Class** Not classified
- \* . **IATA**
- \* . **Class** Not classified
- Packing group
- \* . **DOT** Not classified
- \* . **ADR** Not classified
- \* . **IMDG** Not classified
- \* . **IATA** Not classified
- Environmental hazards:  
Not applicable.
- Special precautions for user  
Not applicable.
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code  
Not applicable.

### 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture  
Non-mandatory
- Hazardous Air Pollutants  
78-59-1 isophorone

### 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
- H227 Combustible liquid.
- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- \* H401 Toxic to aquatic life.
- \* H411 Toxic to aquatic life with long lasting effects.

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- 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  
17.04.2024
- 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.