

## 1. Identification of substance and supplier

Identification of substance : **Gel-O-Tel® 82**

Supplier : **BioThys GmbH**  
Gewerbestrasse 6  
D-77731 Willstätt-Eckartsweier  
Tel. : (49) 7854 98954 0  
Fax : (49) 7854 98954 99



## 2. Composition / Data on components

This product is a polymeric matrix containing a mixture of natural and/or synthetic raw materials.

Substance	N° EINECS	CAS N°	Symbol	R-Phrase	Concentration (%)
Géraniol	203-377-1	106-24-1	Xi	R 38, R 43	> 1,00 % < 5,00 %
Eugénol	202-589-1	97-53-0	Xi	R 36/38, R 43	> 1,00 % < 5,00 %
Citral	226-394-6	5392-40-5	Xi	R 38, R 43	> 5,00 % < 10,00 %

See section 16 for the full text of each relevant R-Phrase.

## 3. Hazard identification

Adverse effects physical : None.

Hazard for man : May cause sensitization by skin contact. Irritating to skin.

Hazard for environment : This product is not regarded as dangerous in agreement with the criteria of classification, packing and labelling of the dangerous substances of the European directives n° 67-548-CEE, n° 91-155-CEE, and n° 1999-45-CEE.

This product is classified irritating according to criteria's of classification, packing and labelling of the dangerous substances according to European directives' n° 67-548-CEE, n° 91-155-CEE, and n° 1999-45-CEE.

## 4. First aid measures

After inhalation : Not applicable.

After skin contact : Remove any contaminated clothing or shoes if necessary. Wash affected areas thoroughly with soap and water for at least 15 minutes. If an irritation persists or any sign of tissue damage is apparent, consult a physician.

After eye contact : Flush immediately with water for at least 15 minutes. If an irritation persists or any sign of tissue damage is apparent, consult a physician.

Ingestion : Do induce vomiting. Rinse mouth thoroughly with clear water and immediately consult a poison control center or physician.

General Council : In case of accident or illness, seek medical attention immediately (if possible, show the label or description of the data security).

## 5. Fire fighting measures

### *Special precautions :*

Prohibition to smoke in the places where the substances are handled.

Do not to heat the products to a naked flame, nor to expose their vapours to a flame or another source of ignition.

### *Extinguishing media recommended :*

Carbon dioxide, special liquids or powder extinguishers.

### *Extinguishing media usable :*

Halogen or foam extinguishers.

### *Extinguishing media inadvisable :*

Direct water stream or atomized water.

### *Special measures for fire fighting :*

Avoid over inhalation of vapors

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## 6. Accidental release measures

### *Person-related safety precautions :*

Avoid skin and eye contact with the product. Wearing of eyeshields, gloves or protecting clothing is recommended during the handling. Absorb on inert support (sand or absorbing grounds) and evacuate in approved Processing center.

### *Environmental safety protections :*

Avoid the contamination of the sewers, surface water and subsoil waters like that of the ground.

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## 7. Handling and storage

### *Handling :*

Handling by respecting good manufacturing practice and the rules of occupational sanitation. Avoid the contact with the skin and the eyes. Wearing of safety goggles is recommended in the event of risk of direct contact. Not to eat and not to drink during the use.

### *Storage :*

It is recommended to store the products in a place fresh, dry, and well ventilate away from the heat sources and safe from the light, in their closed packing of origin. Not to put the product in contact with strong oxidants, except if they were studied to this end.

Temperature of storage in the packing of origin : 25 °C Maximum.

Temperature of transport and handling : 35 °C Maximum.

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## 8. Exposure controls and personal protection

### *Exposure limits values :*

Frangrance compound should not be ingested. Keep them away from the foodstuffs, drinks and food for animals.

### *Personal protective equipment :*

*Breathing equipment :* None.

*Eye protection :* Yes, the use of glasses protection is recommended in cases of risk of direct contact.

*Protection of hands :* Yes, the use of protective chemical-resistant's gloves is recommended.

*Others :* None.

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## 9. Physical and chemical properties

<i>Form :</i>	Solid.
<i>Colour :</i>	Yellowish Orange.
<i>Odour :</i>	Characteristic.
<i>pH :</i>	Not applicable.
<i>Point / Boiling :</i>	Not available.
<i>Melting point / range :</i>	Not available.
<i>Point of flash :</i>	Not available.
<i>Flammability (solid, gas) :</i>	Not available.
<i>Vapor Pressure :</i>	Not available.
<i>Relative density :</i>	990-1030 Kg / m <sup>3</sup>
<i>Miscibility in water :</i>	Not available.
<i>Miscibility in ethanol :</i>	Not available.
<i>Viscosity :</i>	Not available.
<i>Evaporation Rate :</i>	Not available.
<i>Temperature auto-ignition :</i>	> 300 °C
<i>Minimum flammability :</i>	Not available.
<i>Threshold maximum flammability :</i>	Not available.

## 10. Stability and reactivity

### *Shelf life :*

The shelf life is 9 months if product is stored in its original packing and in a cool place away from light and at temperatures indicated in § 7.

### *Materials to be avoided :*

Possible reaction with strong oxidizing agents.

### *Dangerous product of decomposition :*

None.

## 11. Toxicological information

### *Acute toxicity :*

*LD<sub>50</sub> oral(kg / rat) :* > 5000 mg/Kg (rat).

### *Other toxicological information :*

*Skin contact :* Slightly irritant (according to the scale proposed in the French Republic Official Journal from February 21<sup>th</sup>).

*Eye contact :* Irritant (according to the scale proposed in the French Republic Official Journal from July 10<sup>th</sup> 1992).

*Ingestion :* May cause stomach distress, nausea or vomiting.

## 12. Ecological information

In general, the biodegradability parameters for the polymeric matrix containing an active perfume composition, resulting from a mixture of natural vegetable and/or synthetic raw materials, are not given.

*Environment :*

*Rejection in aquatic environments :* Not advice.

*Rejection in natural environments :* Not advice.

*Biodegradability :*

No data available.

## 13. Disposal considerations

*Product :*

Do this rid of this product by taking all precautions. Comply with the provisions to eliminate the local product.

*Empty containers :*

Comply with the provisions to eliminate local packaging. The reuse of empty containers is not recommended.

## 14. Transport information

Follow carefully the instructions given on this safety data sheet.

*Railways (RID) :* Refer to the flash point.

*Road (ADR) :* Refer to the flash point.

*Sea (IMDG) :* Refer to the flash point.

*Air (OACI) :* Refer to the flash point.

## 15. Regulations informations

This product is classified irritating according to criteria's of classification, packing and labelling of the dangerous substances according to European directives' n° 67-548-CEE, n° 91-155-CEE, et n° 1999-45-CEE.

According to the European directive n° 2001-58-CEE, the substance quoted in paragraph 2 must be indicated:

*Symbol of danger :*



**Xi** : Irritant.

*Risk Phrases :*

**R 43** : May cause sensitization by skin contact.

**R 38** : Irritating to skin

*Safety Phrases :*

**S 24/25** : Avoid contact with eyes and skin.

**S 37** : Wear suitable gloves.

### 16. Additional informations

List of relevant R phrases :           R 43 : May cause sensitization by skin contact.  
(Appearing in section 2)           R 36 : Irritating to eyes.  
  R 38 : Irritant to skin.

Clause legal disclaimer :

The information given herein is based on the supplier's current knowledge of the product. The user's attention is drawn on the potential risks incurred if the product is misused. This data sheet doesn't relieve the user from being knowledgeable about and complying with the regulations applying to his trade. He will be solely responsible for enforcing all necessary applicable precautions when implementing the product.

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