



**Material safety data sheet**  
According to EU Regulation 1907/2006 in the current version  
**Natural Bisabolol**

### 1. Identification of the substance/mixture and company

Trade name:	Natural bisabolol
	Obtained by distillation from the Candeia tree
INCI	Bisabolol
CAS No. :	515-69-5
EINECS No. :	208-205-9
REACH pre-registration No. :	-
Utilization:	Raw material for cosmetic or professional use
Supplier company identification:	<b>Elemental SRL</b> , Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania Tel/Fax: +40259-436.755, www.elemental.eu
Emergency:	RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București. International emergency number: +49 180 2273-112

### 2. Hazards Identification

#### 2.1. Classification of the substance or mixture

**Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:**

Properties / Symbols: None.

**EC regulation criteria 1272/2008 (CLP):**

The mixture is not classified as dangerous according to EC Regulation 1272/2008 (CLP).

Adverse physico-chemical, human health and environmental effects: No other hazards

#### 2.2. Label elements

Symbols: None

Hazard statements: None

Precautionary statements: None

Special Provisions: None

Contents: NON HAZARDOUS SUBSTANCES

#### 2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards: No other hazards

### 3. Declaration of ingredients

#### 3.1. Substances

Identification of the substance: **NATURAL BISABOLOL**

#### 3.1 Mixtures

N.A.



**Material safety data sheet**  
According to EU Regulation 1907/2006 in the current version  
**Natural Bisabolol**

#### 4. First aid measures

##### 4.1. Description of first aid measures

**In case of skin contact:** Wash with plenty of water and soap.

**In case of eyes contact:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**In case of Ingestion:** Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

**In case of Inhalation:** Remove casualty to fresh air and keep warm and at rest.

##### 4.2. Most important symptoms and effects, both acute and delayed

None

##### 4.3. Indication of any immediate medical attention and special treatment needed

Treatment: None

#### 5. Fire fighting measures

##### 5.1. Extinguishing media

Suitable extinguishing media: Water, Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons: None in particular.

##### 5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

##### 5.3. Advice for firefighters

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

#### 6. Accidental release measures

##### 6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

##### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, sand.



**Material safety data sheet**  
According to EU Regulation 1907/2006 in the current version  
**Natural Bisabolol**

---

**6.3. Methods and material for containment and cleaning up**

Wash with plenty of water.

**6.4. Reference to other sections**

See also section 8 and 13.

---

**7. Handling and storage**

**7.1. Precautions for safe handling**

Avoid contact with skin and eyes, inhalation of vapors and mists.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep away from food, drink and feed.

Incompatible materials: None in particular.

Instructions as regards storage premises: Adequately ventilated premises.

**7.3. Specific end use(s)**

None in particular.

---

**8. Exposure controls / personal protection**

**8.1. Control parameters**

TLV TWA - n.a.

TLV STEL - n.a.

OEL 8h - n.a.

OEL short - n.a.

DNEL Exposure Limit Values - N.A.

PNEC Exposure Limit Values - N.A.

**8.2. Exposure controls**

Eye protection: Not needed for normal use. Anyway, operate according good working practices.

Protection for skin: No special precaution must be adopted for normal use.

Protection for hands: Not needed for normal use.

Respiratory protection: Not needed for normal use.

Thermal Hazards: None

Environmental exposure controls: None



**Material safety data sheet**  
According to EU Regulation 1907/2006 in the current version  
**Natural Bisabolol**

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance: clear liquid  
Color: colorless to pale yellow  
Odour threshold: N.A.  
pH: n.a.  
Melting point / freezing point: n.a.  
Initial boiling point and boiling range: 153°C  
Solid/gas flammability: n.a.  
Upper/lower flammability or explosive limits: N.A.  
Vapor density: n.a.  
Flash point: 148°C  
Evaporation rate: N.A.  
Vapor pressure: n.a.  
Relative density: 0.925 - 0.933  
Solubility in water: poorly soluble  
Solubility in oil: soluble in organic solvents  
Partition coefficient (n-octanol/water): n.a.  
Auto-ignition temperature: n.a.  
Decomposition temperature: N.A.  
Viscosity: N.A.  
Explosive properties: n.a.  
Oxidizing properties: n.a.

### 9.2. Other information

Miscibility: N.A.  
Fat Solubility: N.A.  
Conductivity: N.A.  
Substance Groups relevant properties N.A.

## 10. Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None

### 10.4. Conditions to avoid

Stable under normal conditions.



**Material safety data sheet**  
According to EU Regulation 1907/2006 in the current version  
**Natural Bisabolol**

---

**10.5. Incompatible materials**

None in particular.

**10.6. Hazardous decomposition products**

None.

---

**11. Toxicological information**

**11.1. Information on toxicological effects**

**Toxicological information of the substance:**

DL50 oral, rat > 5000 mg/kg

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitization;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

---

**12. Ecological information**

**12.1. Toxicity**

Adopt good working practices, so that the product is not released into the environment.

LC50 (96h) > 4.6 > 10 mg/l *Leociscus idus* (DIN 38 412 L1, L15)

**12.2. Persistence and degradability**

N.A.

**12.3. Bioaccumulative potential**

N.A.

**12.4. Mobility in soil**

N.A.

**12.5. Results of PBT and vPvB assessment**

vPvB Substances: None - PBT Substances: None

**12.6. Other adverse effects**

None



**Material safety data sheet**  
According to EU Regulation 1907/2006 in the current version  
**Natural Bisabolol**

**13. Disposal considerations**

**13.1. Waste treatment methods**

Recover if possible. In so doing, comply with the local and national regulations currently in force.

**14. Transport information**

**14.1. UN number**

Not classified as dangerous in the meaning of transport regulations.

**14.2. UN proper shipping name**

N.A.

**14.3. Transport hazard class(es)**

N.A.

**14.4. Packing group**

N.A.

**14.5. Environmental hazards**

N.A.

**14.6. Special precautions for user**

N.A.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

N.A.

**15. Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Dir. 67/548/EEC (Classification, packaging and labeling of dangerous substances)

Dir. 99/45/EC (Classification, packaging and labeling of dangerous preparations)

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Dir. 2006/8/EC

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP)

Regulation (EU) n. 453/2010 (Annex I)

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation

(EC) 1907/2006 (REACH) and subsequent modifications: None

Where applicable, refer to the following regulatory provisions:

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.



## Material safety data sheet

According to EU Regulation 1907/2006 in the current version

### Natural Bisabolol

Regulation (EC) nr 648/2004 (detergents).  
1999/13/EC (VOC directive)

#### 15.2. Chemical safety assessment

No.

#### 16. Additional information

##### 16.1 Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
CAS: Chemical Abstracts Service (division of the American Chemical Society).  
CLP: Classification, Labeling, Packaging.  
DNEL: Derived No Effect Level.  
EINECS: European Inventory of Existing Commercial Chemical Substances.  
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.  
IATA: International Air Transport Association.  
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).  
ICAO: International Civil Aviation Organization.  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
IMDG: International Maritime Code for Dangerous Goods.  
INCI: International Nomenclature of Cosmetic Ingredients.  
LTE: Long-term exposure.  
PNEC: Predicted No Effect Concentration.  
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.  
STE: Short-term exposure.  
STEL: Short Term Exposure limit.  
STOT: Specific Target Organ Toxicity.

##### Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.