



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Frankincense Serrata CO2-se extract\_038.001

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May be fatal if swallowed and enters airways.  
Very toxic to aquatic life.  
Very toxic to aquatic life with long lasting effects.

#### Label elements

Signal word:

Danger

Pictograms:

GHS02-GHS07-GHS08-GHS09



#### Hazardous components which must be listed on the label

Salai, ext.

#### Hazard statements

H226 Flammable liquid and vapour.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H304 May be fatal if swallowed and enters airways.  
H410 Very toxic to aquatic life with long lasting effects.

#### Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash hands thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P331 Do NOT induce vomiting.

#### Other hazards

Special skin risk by leaking/spilling product.

Contains < 2,5 % limonene [CAS-no. 5989-27-5]  
< 0,5 % linalool  
May cause allergic reactions.

### SECTION 3: Composition/information on ingredients

#### Chemical characterization

INCI-name (CTFA): Boswellia Serrata (Frankincense) Extract; CAS-no. 97952-72-2 EC-no.  
(EINECS/ELINCS): 308-366-6

essential oil content: 70 - 90 % with a.o. alpha-thujene, alpha pinene, Incensol / Incensolacetate

#### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
308-366-6	Salai, ext.	100 %
97952-72-2	Xn, Xi, N R10-36/37/38-43-50-53-65	
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1; H226 H315 H317 H304 H400 H410	

Full text of R- and H-phrases: see section 16.

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#### Further Information

no solvent residues

### SECTION 4: First aid measures

#### Description of first aid measures

##### General information

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible). Seek medical attention if problems persist. In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).  
Seek medical attention if problems persist.

##### After inhalation

Provide fresh air.

##### After contact with skin

After contact with skin, wash immediately with: Water and soap.

##### After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

##### After ingestion

IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Consult physician.

### SECTION 5: Firefighting measures

#### Extinguishing media

##### Suitable extinguishing media

foam, CO2, powder

##### Extinguishing media which must not be used for safety reasons

water stream

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

formation of dangerous fumes possible

#### Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

### SECTION 6: Accidental release measures

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

Avoid contact with skin and eyes, concentrated extracts should not be swallowed.  
Wear personal protection equipment.  
Provide adequate ventilation.  
Wear respiratory protection when in the presence of vapour, dust, and aerosols.

#### Environmental precautions

keep away from canalisation, waterway, groundwater

#### Methods and material for containment and cleaning up

Remove mechanically, placing in appropriate containers for disposal.

### SECTION 7: Handling and storage

#### Precautions for safe handling

##### Advice on safe handling

Avoid contact with skin and eyes, concentrated extracts should not be swallowed.  
wear splash goggles and oilresistent gloves  
Do not breathe gas/fumes/vapour/spray.

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#### Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

#### Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

no special measures necessary

##### Further information on storage conditions

keep dark and dry, avoid heat  
store in tightly closed container

### SECTION 8: Exposure controls/personal protection

#### Control parameters

#### Exposure controls

##### Protective and hygiene measures

remove contaminated clothes

##### Respiratory protection

do not breathe vapour / aerosol  
Respiratory protection required in case of: aerosol or mist generation.  
Filter respirator with filter or ventilator type: A

##### Hand protection

wear oilresistant gloves When handling chemical substances, chemical protective gloves must be worn with CE label including a four digit code. German Industry Norms (DIN) / European Norms (EN): EN 374

##### Eye protection

wear splash goggles

##### Skin protection

wear clothing as usual in chemical industry remove contaminated clothes. After contact with skin, wash immediately with: Water and soap.

### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

Physical state: clear oil  
Colour: yellow - brown  
Odour: characteristic

#### Test method

pH-Value: no data available

#### Changes in the physical state

Melting point: no data available

Boiling point: no data available

Sublimation point: no data available

Softening point: no data available

Flash point: 38 °C closed cup

Lower explosion limits: no data available

Upper explosion limits: no data available

Vapour pressure: no data available

Density (at 20 °C): 0,880 - 0,920 g/cm<sup>3</sup> pycnometer

Water solubility: insoluble

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Solubility in other solvents:	good soluble in fat phases	
Viscosity / dynamic:		no data available
Vapour density:		no data available
Solvent content:		no solvent residues

#### SECTION 10: Stability and reactivity

##### Conditions to avoid

heat, open flame, sun light

##### Incompatible materials

Oxidizing agents.

##### Hazardous decomposition products

none - when carefully used

##### Further information

no decomposition in the application field

#### SECTION 11: Toxicological information

##### Information on toxicological effects

###### **Toxicokinetics, metabolism and distribution**

According to our knowledge, the chemical, physical and toxicological properties have not been examined extensively.

###### **Specific effects in experiment on an animal**

no data available

###### **Irritation and corrosivity**

Irritating to eyes, respiratory system and skin

###### **Sensitising effects**

no data available

###### **Severe effects after repeated or prolonged exposure**

no data available

###### **Carcinogenic/mutagenic/toxic effects for reproduction**

no data available

###### **Empirical data on effects on humans**

Irritating to eyes, respiratory system and skin

###### **Further information**

Acute toxicity, irritation of the skin and mucous membrane, and mutagenic potential of the preparation assessed by the manufacturer on the basis of the data sheets available on the main components. Information gaps exist on some of the main individual components. However, according to the experience of the manufacturer, no dangers above and beyond those on the product label are to be expected.

#### SECTION 12: Ecological information

##### Toxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

##### Persistence and degradability

no data available

##### Bioaccumulative potential

no data available

##### Mobility in soil

no data available

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#### Results of PBT and vPvB assessment

no data available

#### **Further information**

no heavy metals and inorganic components

### SECTION 13: Disposal considerations

#### Waste treatment methods

##### **Advice on disposal**

in accordance with valid regulations

##### **Waste disposal number of waste from residues/unused products**

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing dangerous substances  
Classified as hazardous waste.

##### **Waste disposal number of used product**

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing dangerous substances  
Classified as hazardous waste.

##### **Contaminated packaging**

in accordance with valid regulations

### SECTION 14: Transport information

#### **Land transport (ADR/RID)**

**UN number:** UN1169  
**UN proper shipping name:** EXTRACTS, AROMATIC, LIQUID  
**Transport hazard class(es):** 3  
**Packing group:** III  
Hazard label: 3



Classification code: F1  
Special Provisions: 601 640E  
Limited quantity: 5 L  
Transport category: 3  
Hazard No: 30  
Tunnel restriction code: D/E

#### **Other applicable information (land transport)**

E1

#### **Marine transport**

**UN number:** UN1169  
**UN proper shipping name:** EXTRACTS, AROMATIC, LIQUID  
**Transport hazard class(es):** 3  
**Packing group:** III  
Hazard label: 3

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Special Provisions: 223, 955  
Limited quantity: 5 L  
EmS: F-E, S-D

#### Other applicable information (marine transport)

E1

#### Air transport

**UN/ID number:** UN1169  
**UN proper shipping name:** EXTRACTS, AROMATIC, LIQUID  
**Transport hazard class(es):** 3  
**Packing group:** III  
Hazard label: 3



Special Provisions: A3  
Limited quantity Passenger: 10 L  
IATA-packing instructions - Passenger: 355  
IATA-max. quantity - Passenger: 60 L  
IATA-packing instructions - Cargo: 366  
IATA-max. quantity - Cargo: 220 L

#### Other applicable information (air transport)

E1  
: Y344

#### Environmental hazards

Dangerous for the environment: yes



## SECTION 15: Regulatory information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulatory information

Employment restrictions: Observe employment restrictions for young people.  
Water contaminating class (D): 2 - water contaminating

#### Chemical Safety Assessment

For this substance a chemical safety assessment is not required.

## SECTION 16: Other information

#### Changes

Reason for revision: general revision of whole document

#### Full text of R-phrases referred to under sections 2 and 3

10 Flammable.  
36/37/38 Irritating to eyes, respiratory system and skin.  
43 May cause sensitization by skin contact.  
50 Very toxic to aquatic organisms.

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- |       |  |
|-------|--|
| 50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| 53    | May cause long-term adverse effects in the aquatic environment.                                  |
| 65    | Harmful: may cause lung damage if swallowed.   |

#### Full text of H-Statements referred to under sections 2 and 3

- |      |   |
|------|---|
| H226 | Flammable liquid and vapour.                          |
| H304 | May be fatal if swallowed and enters airways.         |
| H315 | Causes skin irritation.                               |
| H317 | May cause an allergic skin reaction.                  |
| H400 | Very toxic to aquatic life.                           |
| H410 | Very toxic to aquatic life with long lasting effects. |

#### Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.