



## Material Safety Data Sheet

### SAGE ESSENTIAL OIL

Safety Data Sheet dated 15/6/2016, version 2

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#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Identification of the substance:

Trade name: SAGE ESSENTIAL OIL

CAS number: 8022-56-8

The transition time according to REACH Regulation, Article 23 is still not expired.

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

Recommended use:

Raw material for fragrances, cosmetics, food

1.3. Details of the supplier of the safety data sheet

Company:

SC Herodio Crafts SRL

Business address: Str Pravat nr 14 bl P7 ap 124 sector 6 Bucuresti.

Warehouse : str Topaz nr 2 Bragadiru Ilfov.

Tel/fax 0733970868/0372874712.

www.aroma-shop.ro. office@aroma-shop.ro

1.4. Emergency telephone number

0040 21 3183606 -INSPB

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#### SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

-  Warning, Flam. Liq. 3, Flammable liquid and vapour.
-  Warning, Acute Tox. 4, Harmful if swallowed.
-  Warning, Skin Irrit. 2, Causes skin irritation.
-  Warning, Eye Irrit. 2, Causes serious eye irritation.
-  Warning, Skin Sens. 1, May cause an allergic skin reaction.
-  Warning, STOT SE 2, May cause damage to organs.
-  Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Symbols:



Warning

Hazard statements:

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H226 Flammable liquid and vapour.  
 H302 Harmful if swallowed.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H317 May cause an allergic skin reaction.  
 H371 May cause damage to organs.  
 H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements:**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P308+P311 IF exposed or concerned: Call a POISON CENTER/ doctor/...  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P370+P378 In case of fire: Use ... to extinguish.

**Special Provisions:**

None

**Contents**

(+)-ALFA-THUJONE  
 EUCALIPTOLO  
 CANFORA NATURALE POLVERE  
 ALPHA PINENE: May produce an allergic reaction.  
 BORNEOLO: May produce an allergic reaction.  
 (R)-P-MENTA-1,8-DIENE: May produce an allergic reaction.

**Special provisions according to Annex XVII of REACH and subsequent amendments:**

None

**2.3. Other hazards**

vPvB Substances: None - PBT Substances: None

**Other Hazards:**

No other hazards

### SECTION 3: Composition/information on ingredients

**3.1. Substances**

N.A.

**3.2. Mixtures**

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
>= 30% - < 40%	(+)-ALPHA-TUJONE	CAS: 546-80-5 EC: 208-912-2	 3.1/4/Oral Acute Tox. 4 H302
>= 10% - < 12.5%	EUCALYPTOL	CAS: 470-82-6 EC: 207-431-5 REACH No.: 01-21199677 72-24	 2.6/3 Flam. Liq. 3 H226  3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317
>= 10% - < 12.5%	Bornan-2-one	CAS: 76-22-2 EC: 200-945-0 REACH No.: 01-21199661 56-31	 2.7/1 Flam. Sol. 1 H228  3.1/4/Inhal Acute Tox. 4 H332  3.8/2 STOT SE 2 H371
>= 5% - < 7.5%	ALPHA PINENE	CAS: 80-56-8 EC: 201-291-9	 2.6/3 Flam. Liq. 3 H226  3.10/1 Asp. Tox. 1 H304  3.2/2 Skin Irrit. 2 H315  3.4.2/1-1A-1B Skin Sens.

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			1, 1A, 1B H317
>= 5% - < 7.5%	(+)-CAMPHENE	CAS: 79-92-5 EC: 201-234-8	 2.7/1 Flam. Sol. 1 H228  3.3/2 Eye Irrit. 2 H319  4.1/C1 Aquatic Chronic 1 H410
>= 1% - < 3%	(R)-p-MENTHA-1,8-DIENE	Index number: 601-029-00-7 CAS: 5989-27-5 EC: 227-813-5 REACH No.: 01-21195292-23-47-xxxx	 2.6/3 Flam. Liq. 3 H226  3.10/1 Asp. Tox. 1 H304  3.2/2 Skin Irrit. 2 H315  3.4.2/1 Skin Sens. 1 H317  4.1/A1 Aquatic Acute 1 H400  4.1/C1 Aquatic Chronic 1 H410
>= 1% - < 3%	BORNEOL	CAS: 507-70-0 EC: 208-080-0	 2.7/1 Flam. Sol. 1 H228  3.4.2/1 Skin Sens. 1 H317
>= 1% - < 3%	ALPHA-TERPINEOL	CAS: 98-55-5 EC: 202-680-6	 3.2/2 Skin Irrit. 2 H315  3.3/2 Eye Irrit. 2 H319
>= 1% - < 3%	para CYMENE	CAS: 99-87-6 EC: 202-796-7	 2.6/3 Flam. Liq. 3 H226  3.2/2 Skin Irrit. 2 H315  3.3/2 Eye Irrit. 2 H319  3.8/3 STOT SE 3 H335  4.1/C2 Aquatic Chronic 2 H411

#### SECTION 4: First aid measures

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

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Give nothing to eat or drink.

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

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In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

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#### SECTION 5: Firefighting measures

- 5.1. Extinguishing media
  - Suitable extinguishing media:
  - 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.

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#### SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
  - Wear personal protection equipment.
  - Remove all sources of ignition.
  - 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, organic, sand
- 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

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#### SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
  - Avoid contact with skin and eyes, inhalation of vapours and mists.
  - Don't use empty container before they have been cleaned.
  - Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
  - Contaminated clothing should be changed before entering eating areas.
  - Do not eat or drink while working.
  - See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities
  - Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.
  - Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
  - Keep away from food, drink and feed.
  - Incompatible materials:  
None in particular.
  - Instructions as regards storage premises:

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Cool and adequately ventilated.

- 7.3. Specific end use(s)  
None in particular

#### SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Bornan-2-one - CAS: 76-22-2

ACGIH - LTE(8h): 2 ppm - STE: 3 ppm - Notes: A4 - Eye and URT irr, anosmia

ALPHA PINENE - CAS: 80-56-8

ACGIH - LTE(8h): 20 ppm - Notes: DSEN, A4 - Lung irr

ALPHA-TERPINEOL - CAS: 98-55-5

TLV TWA - n.a.

TLV STEL - n.a.

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

#### SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	liquid clear	--	--
Odour:	characteristic	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash point:	50 ° C	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--

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Vapour density:	N.A.	--	--
Relative density:	0.880 - 0.925	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
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

Properties	Value	Method:	Notes:
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

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### SECTION 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.

#### 10.5. Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

#### 10.6. Hazardous decomposition products

None.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Toxicological information of the mixture:

SAGE ESSENTIAL OIL - CAS: 8022-56-8

##### a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 2600 mg/kg

##### b) skin corrosion/irritation:

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

Toxicological information of the main substances found in the mixture:

EUCALYPTOL - CAS: 470-82-6

##### a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 2480 mg/kg - Source: Food Cosmetic Technology 13 (1), 105, 1975

Bornan-2-one - CAS: 76-22-2

##### a) acute toxicity:

Test: LD50 - Route: Oral - Species: Mouse = 1310 mg/kg

Test: LD50 - Route: Oral - Species: Rat = 5000 mg/kg

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Test: LC50 - Route: Inhalation Vapour - Species: Rat = 500 mg/m<sup>3</sup>

ALPHA PINENE - CAS: 80-56-8

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 3700 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

(+)-CAMPHERE - CAS: 79-92-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

(R)-p-MENTHA-1,8-DIENE - CAS: 5989-27-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

BORNEOL - CAS: 507-70-0

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 5800 mg/kg

ALPHA-TERPINEOL - CAS: 98-55-5

DL50 orale, ratto 4300 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 sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

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#### SECTION 12: Ecological information

##### 12.1. Toxicity

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

ALPHA PINENE - CAS: 80-56-8

a) Aquatic acute toxicity:

Endpoint: LC50 = 0.28 mg/l - Duration h: 96

(R)-p-MENTHA-1,8-DIENE - CAS: 5989-27-5

a) Aquatic acute toxicity:

Endpoint: EC50 = 0.36 mg/l - Duration h: 48 - Notes: Daphnia magna

BORNEOL - CAS: 507-70-0

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: N.A. = 67.8 mg/l - Duration h: 96

##### 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

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#### SECTION 13: Disposal considerations

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- 13.1. Waste treatment methods  
Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

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#### SECTION 14: Transport information

- 14.1. UN number  
ADR-UN number: 1169  
IATA-Un number: 1169  
IMDG-Un number: 1169
- 14.2. UN proper shipping name
- 14.3. Transport hazard class(es)  
ADR-Class: 3  
IATA-Class: 3  
IMDG-Class: 3
- 14.4. Packing group  
ADR-Packing Group: III  
IATA-Packing group: III  
IMDG-Packing group: III
- 14.5. Environmental hazards
- 14.6. Special precautions for user
- 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code  
N.A.

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#### SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  
Dir. 98/24/EC (Risks related to chemical agents at work)  
Dir. 2000/39/EC (Occupational exposure limit values)  
Regulation (EC) n. 1907/2006 (REACH)  
Regulation (EC) n. 1272/2008 (CLP)  
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
Regulation (EU) n. 453/2010 (Annex II)  
Regulation (EU) n. 286/2011 (ATP 2 CLP)  
Regulation (EU) n. 618/2012 (ATP 3 CLP)  
Regulation (EU) n. 487/2013 (ATP 4 CLP)  
Regulation (EU) n. 944/2013 (ATP 5 CLP)  
Regulation (EU) n. 605/2014 (ATP 6 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.  
Regulation (EC) nr 648/2004 (detergents).  
1999/13/EC (VOC directive)
- Provisions related to directives 82/501/EC(Seveso), 96/82/EC(Seveso II):  
N.A.
- 15.2. Chemical safety assessment  
No

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#### SECTION 16: Other information

- Full text of phrases referred to in Section 3:  
H302 Harmful if swallowed.  
H226 Flammable liquid and vapour.

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H317 May cause an allergic skin reaction.  
H228 Flammable solid.  
H332 Harmful if inhaled.  
H371 May cause damage to organs if inhaled or swallowed.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H410 Very toxic to aquatic life with long lasting effects.  
H400 Very toxic to aquatic life.  
H335 H335.1  
H411 Toxic to aquatic life with long lasting effects.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,  
Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van  
Nostrand Reinold

CCNL - Appendix 1

Insert further consulted bibliography

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

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.  
GefStoffVO: Ordinance on Hazardous Substances, Germany.  
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.  
KSt: Explosion coefficient.  
LC50: Lethal concentration, for 50 percent of test population.  
LD50: Lethal dose, for 50 percent of test population.  
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.  
TLV: Threshold Limiting Value.  
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day.

## **Material Safety Data Sheet**

### **SAGE ESSENTIAL OIL**

WGK: (ACGIH Standard).  
German Water Hazard Class.