



Safety Data Sheet
*according to 1907/2006/EC, Article 31, amended by
Regulation (EU) No. 453/2010*

CLOVE BUD ORGANIC

Date: 17/11/2016

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

1.1 Product Identifier

Trade Name: Clove Bud Organic

INCI: Eugenia Caryophyllus Bud Oil

EC number: 284-638-7

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

No further relevant information available.

Application of the substance / the preparation

Cosmetic ingredient.

Pharmaceutical industry.

Food and healthcare.

1.3 Details of the supplier of the safety data sheet

Aromantic Ltd

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Forres

Moray

IV36 1EL

Tel: 01309 696900

Fax: 01309 696911

Email: info@aromantic.co.uk

1.4 Emergency telephone number

Health and Safety Executive (HSE) Chemicals Regulation Directorate

5S.1 Redgrave Court, Merton Road, Bootle, Merseyside. L20 7HS

Telephone: +44 151 951 3317

Email: biocidesenquiries@hse.gsi.gov.uk

REACH and CLP UK CA Help Desk, Health and Safety Executive

2.3 Redgrave Court, Merton Road, L20 7HS Bootle, Merseyside

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2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Xn; Harmful

R65: Harmful: may cause lung damage if swallowed.



Xi; Irritant

R36/38: Irritating to eyes.



Xi; Sensitising

R43: May cause sensitisation by skin contact.

Information concerning particular hazards for human and environment: The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is in line with current EC lists.

It is extended, by information from technical literature and company information.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008: The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS07



GHS08

Signal word: Danger.

Hazard-determining components of labelling: Clove oil.

INCI Name: Eugenia Caryophyllus Bud Oil

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 **IF SWALLOWED:** Immediately call a POISON CENTER or doctor/physician.

P305+P351+P338 **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/ international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

3. Composition/Information on ingredients

3.1 Substances

3.2 Mixtures

Chemical characterization: Mixtures

CAS No. Description 84961-50-2

Identification number(s) EC number: 284-638-7

Dangerous components:

CAS: 84961-50-2
EINECS: 284-638-7

Clove oil

100%



Xn R65



Xi R36



Xi R43



Asp. Tox. 1, H304



Eye Irrit. 2, H319; Skin Sens. 1, H317

Additional information: For the wording of the listed risk phrases refer to section 16.

4. First Aid Measures

4.1 Description of first aid measures

General information: Provide rest, warmth and fresh air.

After inhalation:

Remove victim immediately from source of exposure.

Supply fresh air.

Seek medical treatment in case of complaints.

After skin contact:

Remove contaminated clothing.

Wash affected area with plenty of water and soap.

Seek immediate medical advice.

After eye contact:

Remove contact lenses.

Immediately flush eyes with plenty of water by lifting eye lids for at least 20-30 minutes.

Seek immediate medical advice.

After swallowing: DO NOT INDUCE VOMITING.



Call for a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: Coughing, chest tightness, feeling of chest pressure.

Causes skin irritation.

Eye contact: Irritation of eyes and mucous membranes.

Blurred vision.

Ingestion - Burning sensation in mouth.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing agents:

Foam, CO₂, Fire-extinguishing powder, Water spray.

For small fires: use carbon dioxide, dry powder or foam.

Water spray.

Large fire: Carbon dioxide; Dry Chemical Powder.

5.2 Special hazards arising from the substance or mixture

Heat may cause the containers to explode.

Fire or excessive heat may produce hazardous decomposition products.

In case of fire, the following can be released:

Toxic gases/vapours.

Carbon monoxide (CO).
Carbon dioxide (CO₂).
Nitrogen oxides (NO_x).
Irritating gases and vapours.

5.3 Advice for firefighters

Protective equipment:

In the event of fire and/or explosion do not breathe fumes.
Wear self-contained respiratory protective device.
Wear fully protective suit.

Additional information: Cool endangered receptacles with water spray.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate the area.
Ensure adequate ventilation.
Wear necessary protective equipment.
Keep away from ignition sources.
Avoid contact with eyes and skin.

6.2 Environmental precautions

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up

The product might be absorbed by inert material.
Send for recovery or disposal in suitable receptacles.
Dispose of the material collected according to regulations.

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.

7. Handling and Storage

7.1 Precautions for safe handling

The usual precautionary measures are to be adhered to when handling chemicals.
Ensure good ventilation/exhaustion at the workplace.
Avoid spillage.
Smoking, eating and drinking should be prohibited in the application area.
Wash hands before breaks and at the end of work.
Avoid contact with eyes and skin.

Information about fire and explosion protection:

Normal measures for preventive fire protection.
Keep away from heat, sparks and open flame.
Keep ignition sources away - Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.

Keep in cool, dry, ventilated storage and closed containers.

Protect from moisture.

Information about storage in one common storage facility:

Avoid contact with oxidising agents.

Mineral acids (some).

Bases, alkalis (inorganic).

Bases, alkalis (organic).

Further information about storage conditions: Keep container tightly sealed.

Storage class: Chemical Storage

7.3 Specific end use(s)

No further relevant information available.

8. Exposure Controls/Personal Protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters

Ingredients 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.

Additional information:

This is based on data that was valid at the time of writing.

Use engineering controls to reduce air contamination.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Ensure adequate ventilation.

Wash hands before breaks and at the end of work.

Remove and wash contaminated clothing before re-use.

Avoid contact with the eyes and skin.

Do not inhale gases / fumes / aerosols.

Do not eat, drink or smoke while working.

Eyewash and safety shower facilities should be available when handling this product.

Respiratory protection:



Chemical respirator with organic vapour cartridge.

NIOSH or European Standard EN 149 approved respirator

Protection of hands:



Protective gloves.

DIN/EN 374

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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

(EN 166)

Body protection: Protective work clothing

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: Mobile Liquid.

Colour: Yellow to Brown.

Odour: Characteristic.

Odour threshold: Not determined.

pH-value: Not determined.

Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

Flash point: >100°C (Closed Cup).

Ignition temperature:

Decomposition temperature: Undetermined.

Self-igniting: Product is not selfigniting.

Danger of explosion: Not determined.

Explosion limits:

Lower: Not determined.

Upper: Not determined.

Vapour pressure: Not determined.

Density: Not determined.

Relative density at 20°C 1.03-1.045

Vapour density: Not determined.

Evaporation rate: Not determined.

Solubility in / Miscibility with water: Slightly soluble in water.

Partition coefficient (n-octanol/water): Not determined.

Viscosity:

Dynamic: Not determined.

Kinematic: Not determined.

9.2 Other information

Other information No further relevant information available.

Refractive index: 1.51-1.53

10. Stability and Reactivity

10.1 Reactivity

10.2 Chemical stability

Thermal decomposition / conditions to be avoided: Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazard Polymerization: will not occur.

10.4 Conditions to avoid

Avoid heat, flame and other sources of ignition.

Exposure to moisture.

Contact with alkaline compound.

10.5 Incompatible materials

Strong oxidizing agents.

Mineral acids (some).

Bases:

Alkalis (inorganic).

Alkalis (organic).

10.6 Hazardous decomposition products

Fire or high temperatures create:

Toxic gases/vapours

Carbon monoxide (CO) and carbon dioxide (CO₂)

Nitrogen oxides (NO_x)

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	5000 mg/kg (rabbit)

Primary irritant effect:

On the skin: May cause allergic skin reaction.

On the eye: Causes serious eye irritation

Ingestion: May be fatal if swallowed and enters airways.

Inhalation: Irritating to respiratory system.

Sensitisation May cause sensitisation by skin contact.

12. Ecological Information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

Additional ecological information:

General notes: Avoid transfer into the environment.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects

No further relevant information available.

13. Disposal Considerations

13.1 Waste treatment methods

Waste treatment methods

Recommendation: Dispose of in accordance with Local Authority requirements.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14. Transport Information

14.1 UN number

ADR, ADN, IMDG, IATA Void.

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA Void.

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA Class Void.

14.4 Packing group

ADR, IMDG, IATA Class Void.

14.5 Environmental hazards

Marine pollutant: No.

14.6 Special precautions for user

Not applicable.

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

Not applicable.

Transport/Additional information: Not dangerous according to the above specifications.

UN "Model Regulation": -

15. Regulatory Information

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

Labelling according to Regulation (EC) No 1272/2008

Hazard statements Please refer section 2.

National regulations:

Information about limitation of use: Employment restrictions concerning juveniles must be observed.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

16. Other Information

Relevant phrases

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

R36 Irritating to eyes.

R43 May cause sensitisation by skin contact.

R65 Harmful: may cause lung damage if swallowed.

Abbreviations and acronyms:

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association GHS: Globally Harmonized 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

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The information contained in this SDS is accurate to the best of our knowledge and has been obtained from a variety of sources. No liability can be accepted arising out of the use, application or processing of this product. It is the users' responsibility to determine the safe conditions for the use of this product.

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