

SAFETY DATA SHEET

BERGAMOT FCF ORGANIC

Compilation date: 12/12/2016

Revision No: 1

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. PRODUCT IDENTIFIER

Product name: BERGAMOT FCF ORGANIC

CAS number: 8007-75-8

EINECS number: 616-915-9

Synonyms: BERGAMOT OIL FCF ORGANIC

INCI name: CITRUS AURANTIUM BERGAMIA FRUIT OIL

1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Use of substance / mixture: Citrus Aurantium Bergamia Fruit oil is the psoralen-free volatile oil obtained from the fruit

of Citrus Aurantium L. var. Bergamia, Rutaceae.

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Company name: Chleopatra Ols

Sigbrits Alle 3, 4. Tv

DK-2300 Copenhagen

Tel: +45 50150201

Email: contactus@chleopatra.dk

1.4. EMERGENCY TELEPHONE NUMBER

GIFTLINJEN - 82 12 12 12

Section 2: Hazards identification

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification under CLP: Flam. Liq. 3: H226; Acute Tox. 4: H302; Asp. Tox. 1: H304; Skin Corr. 1B: H314; Skin Irrit.

2: H315; Skin Sens. 1A: H317; Aquatic Chronic 2: H411; Aquatic Chronic 1: H410

Most important adverse effects: Flammable liquid and vapour. Harmful if swallowed. May be fatal if swallowed and

enters airways. Causes severe skin burns and eye damage. Causes skin irritation. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects. Very toxic to aquatic life with long lasting effects.

2.2. LABEL ELEMENTS

Label elements:

Hazard statements: H226: Flammable liquid and vapour.

H302: Harmful if swallowed.

H304: May be fatal if swallowed and enters airways.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H411: Toxic to aquatic life with long lasting effects.

H410: Very toxic to aquatic life with long lasting effects.

Hazard pictograms:

GHS02: Flame

GHS07: Exclamation mark

GHS08: Health hazard

GHS09: Environmental



Signal words: Danger

Precautionary statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241: Use explosion-proof electrical/ventilating/lighting equipment.

P262: Do not get in eyes, on skin, or on clothing.

P273: Avoid release to the environment.

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

P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331: Do NOT induce vomiting.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P405: Store locked up.

P501: Dispose of contents/container to licenced disposal site and according to local regulations.

2.3. OTHER HAZARDS

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.1. SUBSTANCES

Chemical identity: BERGAMOT FCF ORGANIC

CAS number: 8007-75-8

EINECS number: 616-915-9

Contains: 39% Limonene CAS: 138-86-3 UN-GHS: SCI 2; SS 1; EH A1, C1

30% Linalyl acetate CAS: 115-95-7 UN-GHS: EDI 2A, EH A2, SCI 2

12% Linalool CAS: 78-70-6 UN-GHS: ATO 5(3000), EDI 2A, EH A3, SCI2

7% beta-Pinene CAS: 127-91-3 UN-GHS: ATO 5(3700), SCI 2, SS 1

6% gamma-Terpinene CAS: 99-85-4 UN-GHS: ATO 5(3850); SCI 3

1% Myrcene CAS: 123-35-3 UN-GHS: EDI 2A, SCI 2

1% Sabinene CAS: 3387-41-5 UN-GHS: N/A

1% alpha-Pinene CAS: 80-56-8 UN-GHS: ATO 5(3700), SCI 2, SS 1

Section 4: First aid measures

4.1. DESCRIPTION OF FIRST AID MEASURES

Skin contact: Remove contaminated clothing and wash skin thoroughly with water.

Eye contact: Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues eyewash fountain should be available in the workarea.

Ingestion: Rinse mouth and drink abundant water to dilute substance. Avoid vomiting, risk of aspiration!

Inhalation: Remove from exposure area to fresh air. If irritation persists, seek medical attention.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Skin contact: H315 skin irritant, may cause skin irritation.

Eye contact: Not Irritant

Ingestion: Potential for aspiration if swallowed

Inhalation: May be fatal if enters airways.

Delayed / immediate effects: No data available.

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Immediate / special treatment: Inhalation can cause headaches, Contact can cause bloodshot eyes or/and slight skin rash.

Section 5: Fire-fighting measures

5.1. EXTINGUISHING MEDIA

Extinguishing media: Carbon dioxide. Foam. Dry powder. Spray extinguishing media to base of flames Do not

use direct water jet on burning material.

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Exposure hazards: Vapours may form explosive mixture with air - in case of fire the following can be released: Carbon Monoxide, Carbon Dioxide, smoke, soot.

5.3. ADVICE FOR FIRE-FIGHTERS

Advice for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of

fire. Avoid inhalation of vapours. Containers close to fire should be removed or cooled with water

Section 6: Accidental release measures

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal precautions: For non emergency personel: in an emergency (ie unintentional important release of the

product in enclosed space)respiratory protection (Gas filter A, colour code brown:

consider the max duration for wear) must be worn. Use insulating devise for respiratory

protection with an independant air supply in circumstances which are unclear - use

adequate protection solvent resistant: security shoes, bodysuits, gloves, goggles. for

emergency personel: as per non-emergency personel Eliminate all sources of ignition.

Provide adequate ventilation, avoid contact with skin and eyes.

6.2. ENVIRONMENTAL PRECAUTIONS

Environmental precautions: Prevent from entering sewers, surface and ground waters.

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Clean-up procedures: Keep away from heat and use non-conbustable absorbing sawdust (sand, specific binder).

6.4. REFERENCE TO OTHER SECTIONS

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. PRECAUTIONS FOR SAFE HANDLING

Handling requirements: Keep original container closed, avoid contact with skin and eyes, wear adequate protective gloves and eye/face protection. Avoid all sources of ignition, high temperatures

during processing, maintaining good ventilation in production area. Wash hands before

and after use. Apply good manufacturing practice and industrial hygiene practices.

Observe good personal hygiene. Do not eat, drink or smoke whilst handling.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage conditions: Store in stainless steel drums, preferably under inert atmosphere (nitrogen) with minimum head space, protected from day-light. The container used during

transportation must be considered only as a temporary container and must not be considered in any case adequate for long term storage. Store in tightly closed container in a dry, cool and well-ventilated place Keep away from any ignition sources. Store between 5 and 20 deg C.

Suitable packaging: No additional data.

7.3. SPECIFIC END USE(S)

Specific end use(s): Flavour and fragrance, Cosmetics.

Section 8: Exposure controls/personal protection

8.1. CONTROL PARAMETERS

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. EXPOSURE CONTROLS

Engineering measures: Isolate mixing rooms and other areas where this material is used or openly handled.

Maintain these areas under negative pressure relative to the rest of the plant.

Respiratory protection: No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Hand protection: Wear suitable protective clothing and impervious gloves (EN 374). always use clean dry hands.

Eye protection: Protective goggles with built in frame tested to EN166 (should be checked regularly)

Skin protection: Protective clothing.

Environmental: Not applicable.

Section 9: Physical and chemical properties

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Odour: Pleasant fresh typical bergamot fruit peel.

Solubility in water: Insoluble

Flash point°C: approx 57 Relative density: 0.85-0.888

9.2. OTHER INFORMATION

Other information: Refractive Index ~ 1.458 - 1.468

Section 10: Stability and reactivity

10.1. REACTIVITY

Reactivity: It presents no significant reactivity hazards, by itself or in contact with water. Stable under the recommended handling and storage conditions.

10.2. CHEMICAL STABILITY

Chemical stability: Stable under the recommended handling and storage conditions

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

Hazardous reactions: Not expected under normal conditions of use

10.4. CONDITIONS TO AVOID

Conditions to avoid: Heat.

10.5. INCOMPATIBLE MATERIALS

Materials to avoid: Oxidising agents.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

Haz. decomp. products: No decomposition products found, if used appropriately. Combustion produces carbon

monoxide, carbon dioxide and thick smoke which may be toxic and irritating.

Section 11: Toxicological information

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

Excluded hazards for substance:

Hazard Route Basis

Acute toxicity (ac. tox. 4) - No hazard: calculated

Acute toxicity (ac. tox. 3) - No hazard: calculated
Acute toxicity (ac. tox. 2) - No hazard: calculated
Acute toxicity (ac. tox. 1) - No hazard: calculated
Skin corrosion/irritation - No hazard: calculated
Serious eye damage/irritation - No hazard: calculated
Respiratory/skin sensitisation - No hazard: calculated
Germ cell mutagenicity - No hazard: calculated
Carcinogenicity - No hazard: calculated
Reproductive toxicity - No hazard: calculated
STOT-single exposure - No hazard: calculated
STOT-repeated exposure - No hazard: calculated
Aspiration hazard - No hazard: calculated
Symptoms / routes of exposure
Skin contact: H315 skin irritant, may cause skin irritation.
Eye contact: Not Irritant
Ingestion: Potential for aspiration if swallowed
Inhalation: May be fatal if enters airways.
Delayed / immediate effects: No data available.
Other information: Not applicable.

Section 12: Ecological information

12.1. TOXICITY

Ecotoxicity values:

Species Test Value Units

MARINE ALGAE (Skeletonema costatum) 48H EC50 6.2 mg/l

12.2. PERSISTENCE AND DEGRADABILITY

Persistence and degradability: Readily biodegradable.

12.3. BIOACCUMULATIVE POTENTIAL

Bioaccumulative potential: H410 very toxic to aquatic life with long term effects.

12.4. MOBILITY IN SOIL

Mobility: This substance is considered as a readily biodegradable NCS. Based on the biodegradability of the NCS, simulation tests in surface water, sediment and soil are not required in accordance with column 2 of REACH Annex IX.

12.5. RESULTS OF PBT AND VPvB ASSESSMENT

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. OTHER ADVERSE EFFECTS

Other adverse effects: Very toxic to aquatic life with long term effects.

Section 13: Disposal considerations

13.1. WASTE TREATMENT METHODS

Disposal operations: The containers used for this product must be completely empty before disposal.

Dispose of contents in accordance with local, state or national legislation. Normal disposal is via incineration operated by an accredited disposal contractor. Disposal through the waste water is illegal.

Disposal of packaging: See above.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN NUMBER

UN number: UN1169

14.2. UN PROPER SHIPPING NAME

Shipping name: Extracts, Aromatic, Liquid.

14.3. TRANSPORT HAZARD CLASS(ES)

Transport class: 3

14.4. PACKING GROUP

Packing group: III

14.5. ENVIRONMENTAL HAZARDS

Environmentally hazardous: No Marine pollutant: Yes

14.6. SPECIAL PRECAUTIONS FOR USER

Special precautions: EmS F-E, S-E

14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE

Transport in bulk: EmS: F-E;S-D

Section 15: Regulatory information

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Specific regulations: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Work place exposure limits EH40. chip for everyone HSG 108

15.2. CHEMICAL SAFETY ASSESSMENT

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture

by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H226: Flammable liquid and vapour.

H302: Harmful if swallowed.

H304: May be fatal if swallowed and enters airways.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H410: Very toxic to aquatic life with long lasting effects.

H411: Toxic to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.