Alteya's Campus, Village of Yagoda 6167, St.Zagora Region, Bulgaria | +359 700 15 502 | info@alteya.com | AlteyaOrganics.com

MATERIAL SAFETY DATA SHEET

According to Regulation (EC) No 1272 of 2008 and Regulation (EC) No 1907/2006 (REACH), as amended by Regulation (EU) 2020/878

Organic German Chamomile Oil

Version 02 | Date of creation: 11.04.2018
Supersedes the version from: 11.04.2018 | Date of new version: 15.04.2022

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

1.1. Product Identifiers

Trade name	:	Organic German Chamomile Oil
Substance name (INCI)	:	CHAMOMILLA RECUTITA FLOWER OIL
REACH Registration No	:	-
CAS №	:	8002-66-2
EO №	:	-
Biological origin	:	Obtained by distilling organic chamomile flowers (fresh or dry) and the entire aerial part of the plant during the flowering period.

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

Use of substance/mixture	:	Used in the food industry, pharmacy, perfumery and cosmetics by itself or as a formulation constituent, a part of composition.
Recommended restrictions on use	:	Avoid contact with eyes!
Reason not to recommend use	:	May cause serious irritation.

1.3. Details of the supplier of the safety data sheet

Manufacturer : ALTEYA ORGANICS LLC
Mailing address/Postal code : 6167, village of Yagoda,1, Rozovarna St.
Country identifier/ Postal code/city or town : Bulgaria

Telephone/Mobile/Fax : +359 700 15 502
E-mail of the competent person responsible for the Safety Data Sheet : salesbg@alteya.com
National contact person : Kaloyan Stoev

1.4. Emergency telephone number

Clinic of Toxicology at MPHATEM N.I. Pirogov
Emergency telephone number: 02 9154409; (regular working time, Saturdays and Sundays excluded) or 02 9154 346 (24h service, all week)
e-mail: poison_centre@mail.orbitel.bg
http//www.pirogov.net

2. Hazards Identification

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EC) No 1272/2008 (CLP)

Classification according to GHS				
Chapter	**Subsection**	**Class of hazard**	**Class of hazard and category of hazard**	**Hazard statements**
3.2	Skin	Skin irritation	Corrosion/irritation 2	H315
3.4	Sens.	Sensitization - dermal	(Skin sens 1B)	H317
3.3	Eye	Causes serious eye irritation	eye irritation 2A	H319
4.1	Chronic	Toxic to aquatic life	Aquatic Chronic 2	H411

2.1.2. Additional information:

For the full text of hazard statements and EU hazard statements: see SECTION 16.

2.2. Label Elements

Labeling according Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms

GHS09
Signal word : Caution
Content of hazardous components : α – BISABOLOL, Bisabolone Oxide
Hazard statements : H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
Hazardous statements concerning environment : H411 Toxic to aquatic life with long lasting effects
EUH 208 Contains Linalool, Benzyl Benzoate, Limonene. May cause an allergic reaction.

Safety recommendations

- General : P102 Keep out of reach of children.

- Prevention	:	P273	Avoid release to the environment.
		P264	Thoroughly wash hands after handling.
		P280	Use protective gloves/goggles.
Safety recommendations			
- As a reaction	:	P305+P351+ P338	If in the eyes: Rinse carefully with water for several minutes. Remove contact lenses if there are such and if possible. Continue rinsing.
		P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
		P391	Collect spillage.
- If stored		P403 + P235	Store in a well-ventilated place. Keep cool.
- At disposal		P501	Dispose of contents / container at an approved disposal site in accordance with local and national regulations.

2.3. Other hazards

No other information available.

The substance meets vPvB criteria according to Regulation (EC) No 1907/2006, Annex XIII

3. Composition/information on ingredients

3.1. Substances/Mixture

INGRIDIENT	***IDENTIFIERS***	***%***	***CLASSIFICATION***
Chamomilla Recutita Flower Oil is the volatile oil distilled from the dried flower heads of the Matricaria recutita, syn. Chamomilla recutita (L.), Compositae. ***CHAMOMILLA RECUTITA OIL***	*EINECS NO: -* *CAS NO: 8002-66-2*	*100,0*	*Skin Irrit. 2 – H315* *Skin Sens. 1B – H317* *Eye .irrit, Cat. 2A; H319* *Aquatic Chronic 3, H412*
7-Ethyl-1,4-dimethylazulene *CHAMAZULENE*	*EINECS NO: 208-449-6* *CAS NO: 529-05-5*	*0,1 – 12,7*	*Aquatic Chronic 3, H412*
α – BISABOLOL *(–)-6-Methyl-2-(4-methyl-3-cyclohexen-1-yl)-5-hepten-2-ol* *Levomenol*	*EINECS NO: 208-205-9* *245-423-3* *CAS NO: 515-69-5/* *23089-26-1*	*3.6723*	*Aquatic Chronic 3, H412*
α -BISABOLOL OXIDE B	*EINECS NO: -* *CAS NO: 55399-12-7*	*1,3 – 10,0*	*Acute Tox.Oral 4 – H302* *Skin Irrit. 2 – H315* *Eye Irrit. 2 - H319*
FARNESENE	*EINECS NO: 242-582-0*	*9,0 – 35,6*	*Asp. Tox. 1 – H304*

	CAS NO: 502-61-4 (a-) *EINECS NO: 242-582-0* *CAS NO: 18794-84-8 (b-)*		
Chamazulene	*EINECS NO: 208-449-6* *CAS NO: 529-05-5*	*< 0,2*	*Aquatic Chronic 3, H412*

4. First Aid Measures

4.1. Description of first aid measures

- General notes : In case of sickness seek medical advice (if possible show the label).

- Following inhalation : In case of unwellness, provide access to fresh air.

- Following skin contact : Wash with cool running water and soap. If symptoms of skin irritation (redness) appear, seek medical attention.

- Following eye contact : Immediately start rinsing the eyes and under eyelids with plenty of water for at least 5 min. If symptoms persist call a doctor.

- Following ingestion : No data

- Self-protection of first aid provider : Personal protective equipment is recommended for first aid providers

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

Symptoms : No other information available

Effects : No other information available

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

Treatment : There isn't a specific antidote.
Treat symptomatically.

5. Fire-fighting Measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Extinguishing powder. Carbon dioxide (CO2).

Unssuitable extinguishing media	:	Full water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	:	In case of fire, toxic fumes such as carbon monoxide and carbon dioxide may be released. Combustion produces heavy smoke.
Specific hazards during fire-fighting	:	No information

5.3. Advice for firefighters

Special protective equipment for firefighters	:	Use a water jet, alcohol-free foam, dry chemical or carbon dioxide.
Additional information :		Fight fire using the usual precautionary measures from an appropriate distance. Use appropriate breathing apparatus.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For personnel not responsible for emergencies

Protective equipment	:	Work in accordance with the occupational hygiene rules and safety techniques. Avoid contact with eyes. In an emergency, wash eyes thoroughly and a shower should be immediately available. Store tightly closed in a dry and cool place.
Emergency procedures	:	Remove the ignition sources, provide adequate ventilation, control powder.

6.1.2. For the persons responsible for emergencies

Wear personal protective equipment.
Keep people away from the spill/leak upwind. Avoid the formation of dust. For personal protection see Section 8.

6.2. Environmental precautions

Environmental	:	Do not allow it to enter surface waters or sewers.

6.3. Methods and materials for containment and cleaning up

6.3.1. For containment	:	Construction of protective embankments, covering of drainage sewers. Prevent spread over a wide area (e.g. insulation or oil barriers).
6.3.2. For cleanup	:	Absorb with liquid binding material (e.g. sand, diatomite, acidic or universal binding agents).
6.3.3. Other information	:	No data.
Methods and materials for containment and cleaning up	:	Use mechanical equipment when working with the material. Keep in suitable, closed containers for disposal. Rinse with water.

6.4. Reference to other sections

For personal protection see section 8.

7. Handling and Storage

7.1. Precautions for safe handling

Precautions	:	Wear personal protective clothing (see section 8). Do not breathe vapors/fumes. Use only in well-ventilated areas. Work following the occupational hygiene and safety practice rules. Avoid contact with skin and eyes. In case of emergency, wash eyes thoroughly and a shower should be immediately available.
Fire-fighting measures	:	Keep away from ignition sources.
Measures to avoid transformation into aerosols and powder	:	No data.
Environmental precautions	:	Follow the storage instructions for the product.
Advice on general occupational hygiene	:	Wash your hands before breaks and at the end of the working day. Avoid eye and skin contact.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions	:	Store in a dark place and in full packages at a

		temperature of 15-25˚C. Keep away from contact with air. Avoid extreme temperatures. Store away from oxidizers.
Incompatible materials	:	No information available
Packing materials	:	Always store in packaging that allows preserving the integrity and quality of the product.
Storage class	:	No information
Additional information on storage conditions	:	No information.
Recommendations for fire and explosion protection	:	Keep away from sources of ignition and open flame.
Recommendations for primary storage	:	Apply good occupational practices and occupational hygiene practices by ensuring proper ventilation in the workplace. Observe good personal hygiene and do not eat, drink or smoke while working. **It is recommended to observe the packaging and storage conditions according to ISO/TS 210:2015.**

7.3. Specific end use(s)

Recommendations	:	No information available.
Solutions specific to the industrial sector	:	No information available.
Specific use(s)	:	Used in the food industry, pharmacy, perfumery and cosmetics by itself or as a formulation constituent, a part of composition.
Additional information:		Follow the regulation relative to the application: • The Therapeutic Products Act, if they are advertised as medicines or medical products (Medicinal effects; Health effects). • The Food Law and its regulations if they are advertised as a food supplement.

• The cosmetics product regulations if advertised as cosmetics (for instance perfume, highly diluted essential oils for use on the body as massage oils or bath supplements).
• The Animal feed regulation if it is advertised as an animal feed additive.
• The Biocidal products regulation if, for example, they are advertised as insect repellents.
• In all other cases, they are subject to the Chemicals regulation.

8. Exposure controls/Personal protection equipment

8.1. Control parameters

(R)-p-Mentha-1,8-diene - Index: NA, CAS: 5989-27-5, EC No: 227-813-5
TLV TWA - TLV STEL- VLE 8h- VLE short: None.

Information on monitoring procedures
Relevant DNEL-/DMEL-/PNEC and other threshold levels

DERIVED NO EFFECT LEVEL (DNEL)OR DERIVED MINIMUM EFFECT LEVEL (DMEL): LINALOOL(CAS:78-70-6)

FINAL USE:	*WORKERS.*
EXPOSURE METHOD:	*DERMAL CONTACT.*
POTENTIAL HEALTH EFFECTS:	*SHORT TERM SYSTEMIC EFFECTS.*
DNEL:	*5MG/KG BODY WEIGHT/DAY*
EXPOSURE METHOD:	*DERMAL CONTACT.*
POTENTIAL HEALTH EFFECTS:	*SHORT TERM LOCAL EFFECTS.*
DNEL:	*15MG OF SUBSTANCE/CM2*
EXPOSURE METHOD:	*DERMAL CONTACT.*
POTENTIAL HEALTH EFFECTS:	*LONG TERM SYSTEMIC EFFECTS.*
DNEL:	*2.5MG/KGBODY WEIGHT/DAY*
EXPOSURE METHOD:	*DERMAL CONTACT.*
POTENTIAL HEALTH EFFECTS:	*LONG TERM LOCAL EFFECTS.*
DNEL:	*15MG OF SUBSTANCE/CM2*
EXPOSURE METHOD:	*INHALATION.*
POTENTIAL HEALTH EFFECTS:	*SHORT TERM SYSTEMIC EFFECTS.*
DNEL:	*16.5MG OF SUBSTANCE/M3*
EXPOSURE METHOD:	*INHALATION.*
POTENTIAL HEALTH EFFECTS:	*LONG TERM SYSTEMIC EFFECTS.*
DNEL:	*2.8MG OF SUBSTANCE/M3*

FINAL USE:	*CONSUMERS.*
EXPOSURE METHOD:	*INGESTION.*
POTENTIAL HEALTH EFFECTS:	*SHORT TERM SYSTEMIC EFFECTS.*
DNEL:	*1.2MG/KGBODY WEIGHT/DAY*
EXPOSURE METHOD:	*INGESTION.*
POTENTIAL HEALTH EFFECTS:	*LONG TERM SYSTEMIC EFFECTS.*
DNEL:	*0.2MG/KG BODY WEIGHT/DAY*
EXPOSURE METHOD:	*DERMAL CONTACT.*
POTENTIAL HEALTH EFFECTS:	*SHORT TERM SYSTEMIC EFFECTS.*
DNEL:	*2.5MG/KG BODY WEIGHT/DAY*
EXPOSURE METHOD:	*DERMAL CONTACT.*
POTENTIAL HEALTH EFFECTS:	*SHORT TERM LOCAL EFFECTS.*
DNEL:	*15MG OF SUBSTANCE/CM2*
EXPOSURE METHOD:	*DERMAL CONTACT.*
POTENTIAL HEALTH EFFECTS:	*LONG TERM SYSTEMIC EFFECTS.*
DNEL:	*1.25MG/KG BODY WEIGHT/DAY*
EXPOSURE METHOD:	*DERMAL CONTACT.*
POTENTIAL HEALTH EFFECTS:	*LONG TERM LOCAL EFFECTS.*
DNEL:	*15MG OF SUBSTANCE/CM2*
EXPOSURE METHOD:	*INHALATION.*
POTENTIAL HEALTH EFFECTS:	*SHORT TERM SYSTEMIC EFFECTS.*
DNEL:	*4.1MG OF SUBSTANCE/M3*
EXPOSURE METHOD:	*INHALATION.*
POTENTIAL HEALTH EFFECTS:	*LONG TERM SYSTEMIC EFFECTS.*
DNEL:	*0.7MG OF SUBSTANCE/M3*

PREDICTED NO EFFECT CONCENTRATION (PNEC): LINALOOL(CAS:78-70-6)

ENVIRONMENTAL COMPARTMENT:	*SOIL.*
PNEC:	*0.327MG/KG*
ENVIRONMENTAL COMPARTMENT:	*FRESH WATER.*
PNEC:	*0.2MG/L*
ENVIRONMENTAL COMPARTMENT:	*SEA WATER.*
PNEC:	*0.02MG/L*
ENVIRONMENTAL COMPARTMENT:	*INTERMITTENT WASTE WATER.*
PNEC:	*2MG/L*
ENVIRONMENTAL COMPARTMENT:	*FRESH WATER SEDIMENT.*
PNEC:	*2.22MG/KG*

ENVIRONMENTAL COMPARTMENT:	*MARINE SEDIMENT.*
PNEC:	*0.222MG/KG*
ENVIRONMENTAL COMPARTMENT:	*WASTE WATER TREATMENTPLANT.*
PNEC:	*10MG/L*

8.2. Exposition controls

8.2.1. Appropriate engineering control

Measures related to the substance/ mixture to prevent exposure during identified uses: The description of appropriate exposure control measures refers to the identified use(s) of the substance or mixture specified in subsection 1.2.
Provide adequate ventilation.

8.2.2. Personal protective equipment:

Use personal protective equipment that is clean and properly maintained. Store personal protective equipment in a clean area away from the work area. Never eat, drink or smoke during use.

8.2.2.1.Eyes and face protection: Avoid contact with eyes.
Use eye protection (safety goggles in accordance with the EN166 standard) designed to protect against liquid splashes.

8.2.2.2.Skin protection

Hand protection : Use solvent- and acid-resistant protective gloves according to EN 374. The quality of the chemical-resistant protective gloves must be selected as a function of the specific workplace concentration and the amount of hazardous substances.

Body protection: Work clothing worn by staff must be washed regularly. After contact with the product, all parts of the body that have been contaminated should be washed.

8.2.2.3. Respiratory tract protection : In case of insufficient ventilation, use suitable means of respiratory protection. When vapors / aerosols type A2 are generated

8.2.2.4. Thermal hazards : No data available.

8.2.2.5. Other protection : Non-slip safety shoes may be worn in case of spills.

Training measures required to avoid exposure	:	Staff training as per internal schedule.
Organization measures to avoid Exposure	:	Staff training
Technical measures to avoid Exposure	:	Staff training

Environmental exposure controls

Basic guidelines	:	Do not wash-off into surface water

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance/type	:	viscous liquid, green with a blue tint to dark blue. When the temperature drops, it solidifies into a salve-like mass.
Odour	:	characteristic, thick, chamomile smell
Odor threshold	:	no current information
Taste	:	bitter-aromatic taste
pH	:	No information
Solubility in 70% ethanol	:	1:2
Chamazulene content, in %	:	< 0.2
Farnesene content, in %	:	about 10,0
Acid value, mg KOH/g	:	5 to 50
Ester value, mg KOH/g	:	3 to 39
Acetyl number, mg KOH/g	:	66 to 155
Melting point / freezing point	:	No information
Boiling point	:	No information
Boiling point / boiling range	:	No information
Ignition temperature, in °C	:	> 100.0

Evaporation rate	:	No information
Flammability (solid, gas)	:	No information
Upper flammability/explosion limit	:	No information
Lower flammability/explosion limit	:	No information
Vapor pressure	:	No information
Money density	:	No information
Relative density	:	No information
Solubility in water at 20°C	:	1.3 mg/L @ 25^0C Soluble in glyceride oils and propylene glycol. Insoluble in glycerine and mineral oils.
Partition coefficient n-octanol/water log Pow	:	5.29
Saponification value	:	≈ 43
Auto-ignition temperature	:	No information
Decomposition temperature	:	No information
Viscosity	:	No information
Explosive properties	:	No information
Oxidizing properties	:	No information
Maximum absorption UV	:	285 nm

Other information

Refraction index	:	1.480 - 1.525
Relative density	:	0.905 - 0.950

No other information available.

10. Stability and Reactivity

10.1. Reactivity

Advice : Stable under recommended storage conditions

10.2. Chemical stability

Advice : Stable under normal conditions

10.3. Possible hazardous reactions

Hazardous reactions : Incompatible with acids and bases

10.4. Conditions to avoid

Conditions to avoid : Intense heat. Store away from strong acids and oxidizers.

Thermal decomposition : No data

10.5. Incompatible materials

Materials to avoid : Strong acids and strongly oxidizing reagents

10.6. Hazardous decomposition products

Hazardous decomposition products : No data

11. Toxicological Information

11.1. Information on toxicological effects

Acute toxicity

CHAMOMILLA RECUTITA FLOWER OIL 8002-66-2
LD50 (oral) in mg/kg: > 5000

CHAMOMILLA RECUTITA FLOWER OIL 8002-66-2
LD50 (dermal) in mg/kg: > 5000

(−)-α-Bisabolol
LD50 Oral - Rat - male and female - > 2.000 mg/kg
(OECD Test guidelines 423)

(-)-α-Bisabolol
Value type : LD50
Value : 15.1 ml/kg
Biological species : mouse

Value type : LD50
Value : > 5 g/kg
Biological spieces : Rat

Value type : LD50
Value : 15.6 ml/kg
Biological spieces : Rat (female)

Value type : LD50
Value : 14.9 ml/kg
Biological spieces : Rat (male)

BENZYL BENZOATE 120-51-4
LD50 Oral - Rabbit - 1.680 mg/kg
Notes:
Behavioral: Convulsions or effects on seizure threshold.
Lungs, chest or breathing: dyspnea. (RTECS)
Symptoms: Nausea, Vomiting, Diarrhea
Symptoms: Symptoms of respiratory tract irritation.
LD50 Skin - Rabbit - 4.000 mg/kg
Notes: (RTECS)

D-LIMONENE(CAS:5989-27-5)
ORAL ROUTE: LD50= 4,400 - 5,10MG/KG
SPECIES : Rat

LINALOOL(CAS:78-70-6)
ORAL ROUTE: LD50=2200MG/KG
SPECIES: MOUSE
OECDGUIDELINE 401(ACUTE ORAL TOXICITY)

Acute parenteral toxicity

(-)-α-Bisabolol

Value type : LD50
Value : 633 mg/kg
Biological spieces : mouse

Irritation

Skin

D-LIMONENE(CAS:5989-27-5)
ORAL ROUTE: LD50= > 5000MG/KG

SPECIES : Rabbit

D-LIMONENE(CAS:5989-27-5)
ORAL ROUTE: LD50= > 5,600 - 6000MG/KG
SPECIES : Mouse

LINALOOL(CAS:78-70-6)
DERMAL ROUTE :LD50=5610MG/KG
SPECIES: RABBIT
OECDGUIDELINE 402(ACUTE DERMAL TOXICITY)

LINALOOL(CAS:78-70-6)
IRRITATION: AVERAGE SCORE =1.85
EFFECT OBSERVED : ERYTHEMA SCORE
SPECIES : RABBIT
DURATION OF EXPOSURE : 24HOECDGUIDELINE 404(ACUTE DERMAL IRRITATION /CORROSION)

Notes : Causes skin irritation.

Serious damage/eye irritation

Result : Causes serious eye irritation.
May have irreversible effects on the eyes, such as damage of eye tissues or serious physical vision deterioration that is not fully reversible by the end of the 21-day observation. Serious eye damage is characterized by corneal destruction, permanent corneal opacity and iritis.

LINALOOL(CAS:78-70-6)
CORNEAL HAZE: *AVERAGE SCORE =1*
SPECIES : RABBIT
DURATION OF EXPOSURE : 24HOECDGUIDELINE 405 (ACUTE EYE IRRITATION /CORROSION)

IRITIS: *AVERAGE SCORE =0.6*
SPECIES : RABBIT
DURATION OF EXPOSURE : 24HOECDGUIDELINE 405(ACUTE EYE IRRITATION /CORROSION)

CONJUNCTIVAL REDNESS: AVERAGE SCORE =2.3
SPECIES : RABBIT
DURATION OF EXPOSURE : 24HOECDGUIDELINE 405(ACUTE EYE IRRITATION /CORROSION

Respiratory or skin sensitization

Note : May cause skin sensitization.

Mutagenicity of germ cells		
Note	:	No data

Carcinogenicity		
Note	:	CAS 5989-27-5: IARC group 3: The agent cannot be classified as to its carcinogenicity to humans.

Summary of the assessment of CMR properties		
Note	:	No data

STOT (specific target organ toxicity) — single exposure		
Note	:	No data

STOT (specific target organ toxicity) — repeated exposure		
Note	:	No data

Aspiration hazard		
Note	:	Breathing high vapor concentrations may cause anesthetic effects.

Information on possible routes of exposure		
Note	:	Dermal, Oral.

Symptoms related to physical, chemical and toxicological characteristics		
Note	:	Toxicological characteristics are not comprehensively studied

Delayed and immediate effects as well as chronic effects from short and long-term exposure		
Note	:	Toxicological characteristics are not comprehensively studied

Interactions

Note	:	Toxicological characteristics are not comprehensively studied

Lack of specific data

Note	:	Toxicological characteristics are not comprehensively studied

Mixtures

Note	:	Toxicological characteristics are not comprehensively studied

Information on the mixture and information on the substances

Note	:	Toxicological characteristics are not comprehensively studied

Other information

Note	:	Do not use in the first months of pregnancy. In case of overdose, headache, cough, nervous disorder or sensitizing effect are possible.

11.2. Properties disturbing the functions of the endocrine system

Note	:	No information available

12. Ecological information

12.1. Toxicity

Product:

Acute (short-term) toxicity:

Fish

BENZYL BENZOATE 120-51-4
semi-static testLC50 - Danio rerio (barbus) - 2,32 mg/l - 96 h

Biological spieces	:	Fish
Time of exposure	:	96 h
Value type	:	LC50
Value	:	440 – 760 mg/l
Method	:	DIN 38412

Toxic for Daphnia and other aquatic invertebrates

Species	:	Daphnia magna

Period of exposure	:	72 h
Value type	:	EC50
Value	:	approximately 120 mg/l

(−)-α-Bisabolol
static test EC50 - Daphnia magna (Daphnia) - 2,2 mg/l - 48 h
(OECD Test guideline202)

BENZYL BENZOATE 120-51-4
static test EC50 - Daphnia magna (Daphnia) - 3,09 mg/l - 48 h
(OECD Test guideline 202)

Algae/aquatic plants

Species	:	Scenedesmus quadricauda (green algae)
Period of exposure	:	168 h
Value type	:	EC0
Value	:	640 mg/l

(−)-α-Bisabolol
ErC50 - Pseudokirchneriella subcapitata (green algae) - 3,8mg/l - 72 h
(OECD Test guideline 201)

BENZYL BENZOATE 120-51-4
static test ErC50 - Pseudokirchneriella subcapitata (green algae) - 0,475 mg/l - 72 h
(OECD Test guideline 201)

Bacteria

Biological spieces	:	Pseudomonas putida
Value type	:	EC0
Value	:	> 10,000 mg/l
Method	:	DIN 3841

(−)-α-Bisabolol
EC10 - Pseudokirchneriella subcapitata (green algae) - 0,76mg/l - 72 h
(OECD Test guideline 201)

Benzyl Benzoate 120-51-4
static test EC50 - Activated sediment - > 10.000 mg/l - 3 h
(OECD Test guideline 209)

Chronic (long-term) toxicity:

Note : No data

Fish

Note : No data

Shellfish

Note : No data

Algae/aquatic plants

Note : No data

Other organisms

Note : No data

12.2. Persistence and degradability

Product:

Abiotic degradation

Note : No data

Physical and photo-chemical elimination

Note : No data

Biochemical degradation

Note : No data

12.3. Bioaccumulation

Product:

Partition coefficient n-octanol/water (log Kow)

Note : No data

Bioconcentration factor (BCF)

Notes : Not accumulated in the biological environment

12.4. Mobility in soil

Product:

Known or predicted distribution in environmental components

Note : No data

Surface tension

Note : No data

Adsorption/desorption

Note : No data

12.5. Results of PBT and vPvB assessment

This Product does not contain substances considered highly persistent or highly bioaccumulating vPvB.

This product doesn't contain substances considered persistent, bioaccumulative, nor toxic PBT.

Product:

Results from PBT and vPvB assessment

Notes : No information available

12.6. Other adverse effects

Product:

Biochemical oxygen demand (BOD)

Value : No information available

Chemical oxygen demand (BOD)

Value : No information available

Additional ecological information

Notes : Do not wash off into surface water

12.7. Additional information

Notes : Do not wash off into surface water

13. Disposal Considerations

13.2. Waste treatment methods

13.2.1. Disposal of product/packing

Codes/designation of waste according to LoW: -

Product		Disposal together with general waste is permitted..
Contaminated packaging material		No data
European Catalogue waste number	:	No waste code can be given to this product according to the European Waste Catalogue since it is related to its potential use. Waste code is given after consulting the regional waste Service.

13.2.2. Information on waste treatment — No special requirements.

13.2.3. Information on discharge in sewer systems — No special requirements.

13.2.4. Other recommendations on waste disposal — No data available.

14. Information on transportation

Transport icon :

Class: 9 Miscellaneous dangerous substances and articles

14.2. UN proper shipping name

3082

14.3. UN proper shipping name

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, O.Y.O.

14.4. Transport hazard class(es)

Class 9, Pack,gr.III

14.5. Environmental hazards

14.6. Special precautions for user

See point transport

14.7. Transport in bulk according to Annex II to MARPOL 73/78 and IBC

Road transport

ADR

RID

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, O.Y.O.
Classification code: M6
Limited quantity: 5 l
Transport category: 3
No of hazard: 90
Tunnel limitation code: E

Waterway transport

ADN

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, O.Y.O.
Classification code: M6
Special regulations: Limited quantity: 5 l

Maritime transport

IMDG

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, O.Y.O. ., Marine Pollutant: Yes
Special regulations: 274, 335
Limited quantity: 5 l
EmS: F-A, S-F

Air transport

IATA/CAO

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, O.Y.O.
Special regulations: A97 A158
Limited quantity 30 kg G
Packing instructions on IATA - Passenger: 964
IATA-max quantity- Passenger: 450 L
Packing instructions on IATA - Load: 964
IATA-max quantity- Load: 450 l

15. Regulatory information

15.1. Legislation specific for the substance or mixture / safety, health and environmental regulations

Other regulations / Laws	This safety data sheet is consistent with the Law on Protection from Harmful Effects of chemical Substances and Preparations and the Ordinance on the Classification, Packaging and Labelling

EU legislative acts : accordingly, EU regulations.

Permissions or restrictions on use	No information
Permissions	Not required
Restrictions on Use	No information
Other EU legislative acts	: According to the effective Regulations

Information according to Directive 1999/13/EC on the limitation of emissions of volatile organic compounds (VOC Guide)

Restrictions for use in working environment	No information
Other legal acts, restrictions and prohibitive standards	No information

14.8. Chemical Safety Assessment

No information.
The supplier has not prepared a chemical safety assessment for this substance/mixture.

15. Other information

Shelf life 24 months from the date of manufacture

Classification and procedure used to obtain the classification of mixtures according to Regulation (EC) No 1272/2008 [CLP]

Specifying the changes : Classification, change of allergens and Additional information about the Product based on gas-chromatographic analysis and latest changes.

Abbreviations and acronyms:

Abbr.	Description of used abbreviations
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement on the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement on the International Carriage of Dangerous Goods by Road)
Aquatic Chronic 2	Toxic to aquatic life - a chronic hazard
BCF	bioconcentration factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (prepares the most comprehensive list of chemicals)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (Classification, Labelling and Packaging)
CMR	Carcinogenic, mutagenic and toxic for reproduction (substance)
COD	Chemical Oxygen Demand
DGR	Dangerous Goods Regulations (see IATA/DGR))
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
Eye irrit.	Eye irritation
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals", developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
log KOW	n-octanol/water
MARPOL	International Convention on Prevention of Pollution from Ships (abbr. to "Marine Pollutant)
NLP	A substance that no longer has the properties of a polymer
PBT	Persistent, bioaccumulative and toxic

PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulation on Carriage of Dangerous Goods by Rail)
Skin Sens.	skin sensitization
Skin Irrit.	Skin irritation
vPvB	very Persistent and very Bioaccumulative
ЕО № Списъка на ЕС	(EINECS, ELINCS and NLP-list) is the source for the seven-digit EC number, an identifier for substances in commerce network within the EU (European Union)
Индекс №	the index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
ЛОС	Volatile Organic Compounds

Main references and sources of data in the literature
- Regulation (EC) No 1907/2006 (REACH), as amended by (EU) 2020/878
- Regulation (EC) No 1272/2008 (CLP, EC GHS)

	List of relevant phrases (code and full text as defined in Section 2 and 3)
Code	**Text**
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H411	Toxic to aquatic life with long lasting effects.
	List of instructions for safe treatment, used in the safety document
P102	Keep out of reach of children
P264	Wash hands thoroughly after handling
P273	Avoid release to the environment.
P280	Wear protective gloves/goggles
P305+P351+ P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P391	Collect spillage
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents / container at an approved disposal site in accordance with local and national regulations

Other information :

In accordance with general product specification:
The information in this material safety data sheet is meant to represent typical data/analysis for this product and was obtained from current and reliable sources.
To the best of our knowledge, data is accurate and based on our knowledge and information, at the time of publication.

The information presented is intended only as a guidance for proper and safe use, handling, storage, transportation and disposal, and should not be considered a guarantee /expressed or implied/ or a quality specification with respect to the correctness or accuracy.
It is responsibility of the user to determine any safe conditions for use of this product, and to assume responsibility for any loss, injury, damage or expenses resulting from the improper use of this product.
The information relates to the specific product only and is not valid when it used in combination with other materials or in any process, unless specified in the text.
The information provided does not constitute a delivery contract; regarding any specification or a given application, the buyer must determine for himself the requirements and recommendations for use of the product.

Disclaimer :

The data in this Safety Data Sheet correspond to the fair presentation of our experience at the time of printing. The information should give you basic guidelines for safe handling of this product, specified in the Safety Data Sheet, regarding its storage, processing, transport and disposal. Data cannot be assigned to other products.
If the product is mixed or processed with other materials, or if it is subject to processing, the data in this Safety Data Sheet cannot be assigned to the new material unless expressly stated otherwise.

The information provided is intended only as a guide to safe handling, use, processing, storage, transportation, disposal and release and should not be considered a warranty or quality specification.
Due to the many factors beyond our control in the use of this product, we cannot accept responsibility for accidents, mishaps, loss or damage caused by its use.

END!

LIST OF 26 ALLERGEN SUBSTANCES / ANNEX III TO REGULATION (EC) NO 1223/2009

Customer: „ALTEYA ORGANICS" LLC – 1. "Rozovarna" St., Yagoda village, 6167, Stara Zagora salesbg@alteya.com, http://alteya.com, +359 700 15 502

Name of product: German Chamomile Oil / Chamomilla Recutita Flower Oil

	NAME OF SUBSTANCES	REMARK	CAS №	EINECS №	NATURAL %	SYNTHETIC %	TOTAL %
1	*AMYL CINNAMAL*	*H317; H411*	*122-40-7*	*204-541-5*	-	-	-
2	*AMYLCINNAMYL ALCOHOL*	*H315; H317*	*101-85-9*	*202-982-8*	-	-	-
3	*ANISE ALCOHOL*	*H302; H318 H317*	*105-13-5*	*203-273-6*	-	-	-
4	*BENZYL ALCOHOL*	*H332; H302*	*100-51-6*	*202-859-9*	-	-	-
5	*BENZYL BENZOATE*	*H302*	*120-51-4*	*204-402-9*	*0,5*	-	*0,5*
6	*BENZYL CINNAMATE*	*H317; H411*	*103-41-3*	*203-109-3*	-	-	-
7	*BENZYL SALICYLATE*	*H317; H411*	*118-58-1*	*204-262-9*	-	-	-
8	*CINNAMAL*	*H312; H315 H317*	*104-55-2*	*203-213-9*	-	-	-
9	*CINNAMYL ALCOHOL*	*H317*	*104-54-1*	*203-212-3*	-	-	-
10	*CITRAL*	*H315; H317*	*5392-40-5*	*226-394-6*	-	-	-
11	*CITRONELLOL*	*H315; H317 H411*	*106-22-9*	*203-375-0*	-	-	-
12	*COUMARIN*	*H302; H317*	*91-64-5*	*202-086-7*	-	-	-
13	*EUGENOL*	*H319; H317*	*97-53-0*	*202-589-1*	-	-	-
14	*FARNESOL*	*H315; H319*	*4602-84-0*	*225-004-1*	-	-	-
15	*ALPHA-ISOMETHYL IONONE*	*H412*	*127-51-5*	*204-846-3*	-	-	-
16	*GERANIOL*	*H315; H317*	*106-24-1*	*203-377-1*	-	-	-
17	*HEXYL CINNAMAL*	*H317;*	*101-86-0*	*202-983-3*	-	-	-
18	*HYDROXYCITRONELLAL*	*H319; H317*	*107-75-5*	*203-518-7*	-	-	-
19	*ISOEUGENOL*	*H312; H302 H319; H315 H317*	*97-54-1*	*202-590-7*	-	-	-
20	*BUTYLPHENYL METHYLPROPIONAL (LILIAL)*	*H317*	*80-54-6*	*201-289-8*	-	-	-
21	*LIMONENE*	*H226; H315 H317; H411*	*5989-27-5*	*227-813-5*	*1,0*	-	*1,0*
22	*LINALOOL*	*H315*	*78-70-6*	*201-134-4*	*0,4*	-	*0,4*
23	*HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE (LYRAL)*	*H317*	*31906-04-4*	*250-863-4*	-	-	-
24	*METHYL 2-OCTYNOATE*	*H302; H317*	*111-12-6*	*203-836-6*	-	-	-
25	*EVERNIA FURFURACEA LICHEN EXTRACT (TREEMOSS EXTRACT)*	*H317*	*90028-67-4*	*289-860-8*	-	-	-
26	*EVERNIA PRUNASTRI (OAK MOSS)*	*H317*	*90028-68-5*	*289-861-3*	-	-	-

According to Regulation EO 1223/2009 is hereby amended as follows:
The presence of the substance must be indicated in the list of ingredients referred to inArticle 6(1)(g) when its concentration exceeds:— **0,001 %**in"**leave-on"**products, (and)— **0,01 %**in**"rinse-off"**products