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MATERIAL SAFETY DATA SHEET

**According to Regulation (EC) No 1272 of 2008 and
Regulation (EC) No 1907/2006 (REACH), as amended by Regulation (EU) 2017/1510**

Organic Rose Oil Bulgarian Rose Otto (Organic Rosa Damascena)

Version 03
Replaces version of 02.02.2017

Date of compilation: 01.10.2013
Date of new version: 28.07.2020

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

1.1. Product Identifiers

| | | |
|-----------------------|---|-------------------------------------------------------------------------------------------------|
| Product name | : | Organic Rosa Damascena Oil |
| Registration No | : | - |
| Substance name (INCI) | : | ROSA DAMASCENA FLOWER OIL |
| CAS No | : | 90106-38-0/ 8007-01-0 |
| EO No | : | 290-260-3 |
| ISO | : | ISO 9842:2006 |
| Biological origin | : | Produced from the flowers of the Damask Rose (Rosa Damascena Mill) by water-steam distillation. |

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

| | | |
|---------------------------------|---|-----------------------------------------------------------------------------------------------------------------|
| Use of substance/mixture | : | Used in perfumery and cosmetics by itself, aromatherapy or as a formulation constituent, a part of composition. |
| Recommended restrictions on use | : | No data available |



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 Str. |
| 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 |
| Web site | : http://alteya.com |

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>
National telephone: 112

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 |
| 2.6 | Flammable | Flammable liquids | (Flam. Liq. 3) | H226 |
| 3.2 | Skin | Skin irritation | Corrosion/irritation | H315 |
| 3.3 | Eye | Eye irritation | (Corrosion)Damage/Irritation. 1 | H318 |
| 4.1 | Chronic | Hazardous for aquatic life chronic hazardous | Aquatic Chronic 4 | H412 |

2.1.2 Label Elements

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

Hazard pictograms





GHS02 GHS07 GHS05

| | | |
|------------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>Signal word</u> | : | Hazardous |
| <u>Hazard statements concerning physical hazards</u> | | H226 Flammable liquid and vapors |
| <u>Hazard statements</u> | | H315 Causes skin irritation H318 Causes serious eye damage |
| <u>Hazardous statements concerning environment</u> | | H412 Harmful for aquatic life with long-lasting effect EUH 208 Contains Citronellol, Geraniol, Linalool, Eugenol, Farnesol. May cause allergic reaction. |
| <u>Safety recommendations</u> | | |
| Safety recommendations - General | | P102 Keep out of reach of children |
| Safety recommendations - Prevention | | P210 Avoid exposing to heat/sparks/naked flame/hot surfaces. Smoking is not permitted. P264 Thoroughly wash hands after handling P233 Keep container tightly closed P273 Avoid release to the environment. P280 Use protective gloves/protective clothing /protective goggles/protective facial mask. |
| 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 persisting eye irritation or skin rash occurs: Seek medical advice/help. |
| Safety recommendations -If stored | | P411 Store at temperatures not higher than 18°C |





2.2. 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

| INGREDIENT | IDENTIFIERS | % | CLASSIFICATION |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ROSA DAMASCENA FLOWER OIL | EINECS NO: 290-260-3 CAS NO: 90106-38-0 INDEX NO: - INCI NAME: Rosa Damascena Flower Oil REACH REGIST. NO: | 100,0 |  DANGER Flam. Liq. 3 - H226 Skin Irrit. Cat. 2 – H315 Eye Irrit. Cat. 1- H318 |
| ETHANOL | EINECS NO: 200-578-6 CAS NO: 64-17-5 INDEX NO: - NAME: Ethanol. REACH REGIST. NO: - | Max. 2,0 |  DANGER Flam liq, Cat.2, H225 Eye .irrit, Cat. 2A; H319 STOT- sing.exp. Cat.3, H336 |
| cis-ROSE OXIDE | EINECS NO: 240-457-5 CAS NO: 16409-43-1 | 0,28±0,03 | Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Repr.2 - H361 |
| TETRAHYDRO-METHYL-METHYLPROPENYL-PYRAN (trans - rose oxide) | EINECS NO: 225-017-2 CAS NO: 4610-11-1 | 0,12± 0,01 | Flam. Liq. 4 (H227) Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) |
| LINALOOL | EINECS NO: 201-134-4 CAS NO: 78-70-6 | 0,2 - 2,0 | Acute Tox. Oral 5 (H303) Eye Irrit. 2A (H319) Flam. Liq. 4 (H227) Aquatic Acute 3 (H402) Skin Sens. 1B (H317) Skin Irrit. 2 (H315) |
| 2-Phenylethanol (PHENETHYL ALCOHOL) | EINECS NO: 200-456-2 CAS NO: 60-12-8 | Max. 3,5 | Acute Tox Oral 4.; H302 Eye .irrit, Cat. 2A; H319 |
| GERANYL ACETATE | EINECS NO: 203-341-5 CAS NO: 105-87-3 | Max. 1,5 | Skin Irrit. Cat.2, H315 Eye .irrit, Cat. 2A; H319 Aquatic Chronic 4, H412 |
| CITRONELLOL | EINECS NO: 203-375-0 / | 24,0 - 34,0 | Skin irrit, Cat. 2, H315 |



| | | | |
|------------------------------------|-----------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| | 247-737-6 / 231-415-7 / 214-250-5 CAS NO: 106-22-9 / 26489-01-0 / 7540-51-4 / 1117-61-9 | | Skin sens, Cat. 1, H317 Aquatic Chronic 2, H411 |
| NEROL | EINECS NO: 203-378-7 CAS NO: 106-25-2 | 5,0 -12,0 | Skin Irrit. Cat.2, H315 Skin Sens. 1 - H317 Eye .irrit, Cat. 2A; H319 |
| GERANIOL | EINECS NO: 203-377-1 CAS NO: 106-24-1 | 15,0 - 22,0 | Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 |
| EUGENOL | EINECS NO: 202-589-1 CAS NO: 97-53-0 | 0,3 - 3,1 | Flam. Liq. 3 - H226 Eye Irrit. 2 - H319 Aquatic Chronic 4 - H413 Acute Tox. 4, H302 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 |
| METHYL EUGENOL | EINECS NO: 202-223-0 CAS NO: 93-15-2 | Max.2,0 | Acute tox, Oral (Cat. 4), H302 Skin irrit. (Cat. 2), H315 Eye irrit. (Cat. 2), H319 Carc. (Cat. 2), H351 STOT SE 3, H335 |
| FARNESOL | EINECS NO: 226-004-1 CAS NO: 4602-84-0 | 1,94 ±0,10 | Skin Irrit. 2 - H315 Skin Sens. Cat.1, H317 Eye Irrit. 2A H319 |
| STEAROPTENES | EINECS NO: 215-799-3 CAS NO: 1406-57-1 | 18,0 - 25,0 | Skin Sens. Cat.1, H317 Skin Irrit. Cat.2, H315 Eye .irrit, Cat. 2A; H319 |
| Heptadecane (C17) N-HEPTADECANE | EINECS NO: 211-108-4 CAS NO: 629-78-7 | 1,0 - 2,5 | Asp. Tox. 1 -H304 |
| Nonadecane (C19) | EINECS NO: 211-116-8 CAS NO: 629-92-5 | 8,0 -15,0 | Not classified as hazardous according to the EC Regulation 1272/2008/EC |
| Nonadecene (C19) | EINECS NO: - CAS NO: - | 2,0 - 5,0 | Not classified as hazardous according to the EC Regulation 1272/2008/EC |
| EICOSANE (C20) | EINECS NO: 204-018-1 CAS NO: 112-95-8 | 0,94 ± 0,05 | Not classified as hazardous according to the EC Regulation 1272/2008/EC |
| HENEICOSANE (C21) | EINECS NO: 211-118-9 CAS NO: 629-94-7 | 3,0 - 5,5 | Not classified as hazardous according to the EC Regulation 1272/2008/EC |
| Tricosane (alkan C23) | EINECS NO: - CAS NO: 638-67-5 | 1,13 ±0,05 | Not classified as hazardous according to the EC Regulation 1272/2008/EC |



* *The ethyl alcohol is a natural component, produced during the distillation process of the flower of Damascene Rose.*

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 : No data available
- Following skin contact: Wash using cool running water. If symptoms of skin irritation occur (redness) seek medical assistance.
- 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 : Immediately seek medical assistance and show the packing or the label. In case the victim is unconscious do not give anything by mouth and do not induce vomiting. If the person is conscious wash the mouth with fresh water.
- Self-protection of first aid provider : First aid providers should use personal protection equipment.

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.
No other information available.

5. Fire-fighting Measures

5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide (CO₂), foam. Resistant to alcohol foam, multifunctional ABC powder.



Unsuitable extinguishing media : Water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

: In case of heating or fire possible generation of toxic gases.

Specific hazards during fire-fighting

: In case of fire the extinguished material should be insulated.

5.3. Advice for firefighters:

Special protective equipment for firefighters

: Use a water jet, alcohol-free foam, dry chemical or carbon dioxide
Wear personal protective equipment, self-contained breathing apparatus, complete protective clothing.

Additional information

: Fight fire using the usual precautionary measures from an appropriate distance.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For personnel not responsible for emergencies

Personal precautionary measures, protective equipment and emergency procedures

: Wear personal protective clothing as described in Section 8 of this Material Safety Data Sheet.
Handle the product using protective gloves, resistant to the exposed chemicals. Avoid skin contact and inhaling the vapors or the smoke. Maintain adequate ventilation in operating area after spillage.

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. For personal protective see Section 8.

6.2. Environmental precautions

Environmental precautions : Avoid discharge in sewer system, water basins or on the soil.

6.3. Methods and materials for containment and cleaning up

6.3.1. For containment : Cover with inert, inorganic, nonflammable, absorbing material (dry lime, sand, soda ash). Place in closed containers, using non-sparkling tools and transport to an open place. Avoid naked flames or ignition sources.

6.3.2. For cleanup : Clean (as a detergent – do not use solvents) and transfer in containers.
Dispose following applicable laws and regulations.

6.3.3 More information : Wear personal protective clothing as described in SECTION 8 of this Material Safety Data Sheet.

6.4. Reference to other sections

For personal protective equipment: see section 8.

7. Handling and Storage

7.1. Precautions for safe handling

Precautions : Work following the good occupational hygiene and safety practice. Avoid accidental contact with the skin. Wear appropriate protective clothing. Avoid inhaling. Store away from food and drinks.
Avoid skin and eye contact. Work following the rules of good hygiene and safety. Provide adequate ventilation in the operational area. Make sure that the ventilation is enough especially in closed areas.

Fire-fighting measures : Keep away from ignition sources.

Measures to avoid transformation into



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aerosols and powder : Usually general or local ventilation is required for the exhaust gases, in order to comply with exposure restrictions. The electrical equipment should be grounded and comply with the applicable electrical code.

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 the tightly closed original containers in a dry and cool place away from potential ignition sources protected from light.

Packing materials : Packed in traditional rose oil vessels made of tinned copper sheet of 0,1 - 5,0kg, and for retail sale - in glass vials of 0,5 to 1 g, placed in pyrography wooden phials.

To be stored in closed glass vessels and metal containers away from heat, light and other ignition sources. To be stored in a cool place.

Requirements to storage areas or containers : Use local and general ventilation in the premises at the recommended temperature and humidity
Do not reuse the empty containers.

Storage class : No information available.

Additional information on storage conditions : Store at temperatures from 15 to 18 °C.

Recommendations for fire and



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explosion protection : Avoid all ignition sources.
Ventilate the premises. Do not smoke.

Клас на прахова експлозия : No information available

Recommendations for primary storage : **CD ISO/TS 210:2015.**

7.3. Specific end use(s)

Recommendations : No information available

Solutions specific to the industry sector : No information available.

Specific use(s) : Used in perfumery and cosmetics by itself or as a formulation constituent, included in a composition.

8. Exposure controls/Personal protection equipment

8.1. Control parameters

Occupational exposure limits are determined on the basis of data base of international limit values GESTIS

Other occupational exposure limits

(Additional) information : Doesn't contain substances, for which there are norms concerning their availability at the work place.

Information on monitoring procedures

Relevant DNEL-/DMEL-/PNEC and other threshold levels

- Values concerning the protection of human health

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



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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

EUGENOL, NAT - CAS: 97-53-0

*WORKER INDUSTRY: 21.2 MG /M³ - CONSUMER: 5.22 MG /M³ - EXPOSURE:
INHALATION BY MAN - FREQUENCY: LONG TERM, SYSTEMIC EFFECTS*

*WORKER INDUSTRY: 6 MG / KG - CONSUMER: 3 MG / KG - EXPOSURE:
DERMAL FOR THE SKIN - FREQUENCY: LONG TERM, SYSTEMIC EFFECTS
CONSUMER: 3 MG /KG - EXPOSURE: ORAL FOR HUMAN - FREQUENCY:
LONG TERM, SYSTEMIC EFFECTS*

EUGENOL, NAT - CAS: 97-53-0

*WORKER INDUSTRY: 21.2 MG /M³ - CONSUMER: 5.22 MG /M³ - EXPOSURE:
INHALATION BY HUMAN - FREQUENCY: LONG TERM, SYSTEMIC EFFECTS*

*WORKER INDUSTRY: 6 MG / KG - CONSUMER: 3 MG / KG - EXPOSURE:
DERMAL FOR SKIN - FREQUENCY: LONG TERM, SYSTEMIC EFFECTS
CONSUMER: 3 MG /KG - EXPOSURE: ORAL FOR HUMAN - FREQUENCY:
LONG TERM, SYSTEMIC EFFECTS*

PREDICTED NO EFFECT ENTRATION
(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



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ENVIRONMENTAL COMPARTMENT: FRESH WATER SEDIMENT.

PNEC: 2.22MG/KG

ENVIRONMENTAL COMPARTMENT: MARINE SEDIMENT

PNEC: 0.222MG/KG

ENVIRONMENTAL COMPARTMENT: WASTE WATER TREATMENT PLANT.

PNEC: 10MG/L

LIMIT EXPOSURE VALUES OF PNEC

EUGENOL, NAT - CAS: 97-53-0

OBJECTIVE: FRESH WATER - VALUE: 1,13 03

OBJECTIVE: MARINE WATER - VALUE: 0.113 03

OBJECTIVE: FRESH WATER SEDIMENTS - VALUE: 0,081 MG /KG

OBJECTIVE: MARINE WATER SEDIMENTS - VALUE: 0,081 MG /KG

OBJECTIVE: SOIL (AGRICULTURAL) - VALUE: 0,0155 MG/KG

OBJECTIVE: EMISSIONE SALTUARIA - VALUE: 11.3 03

EUGENOL, NAT - CAS: 97-53-0

OBJECTIVE: FRESH WATER - VALUE: 1,13 03

OBJECTIVE: MARINE WATER - VALUE: 0.113 03

OBJECTIVE: FRESH WATER SEDIMENTS - VALUE: 0,081 MG / KG

OBJECTIVE: MARINE WATER SEDIMENTS - VALUE: 0,081 MG / KG

OBJECTIVE: SOIL (AGRICULTURAL) - VALUE: 0,0155 MG/KG

OBJECTIVE: EMISSIONE SALTUARIA - VALUE: 11.3 03

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 the appropriate exposure control measures refers to the specified in Subsection 1.2 identified use(s) of the substance or mixture. This information is sufficient for the employer, where appropriate, to make assessment of the generated by the substance or mixture risk for the health and safety of workers according to articles 4—6 of Directive 98/24/EC and articles 3—5 of Directive 2004/37/EC. This information supplements the information presented in Section 7.

8.2.2. Personal protective equipment: Protective gloves and goggles.



8.2.2.1.Eyes and face protection:

8.2.2.2.Skin protection



Hand protection

:

The material, out of which the gloves are manufactured, should be impermeable and resistant to the material /substance/ mixture.

No tests had been performed, and as a result no recommendations can be made what kind of material to be used for the gloves for this product/substance/mixture. The selection of the appropriate gloves does not depend only on the material, but also on the additional quality characteristics, that are different for the different manufacturers.

The data concerning the exact time of penetration should be taken from the manufacturer of the protective gloves and should be followed.

Other skin protection

:

Prophylactic skin protection / creams/ ointments.
Fireproof clothing.

8.2.2.3. Respiratory tract protection

:

If the ventilation is not sufficient suitable equipment for respiratory protection should be used.
Recommended filter type: P

8.2.2.4. Термични опасности

:

There aren't any.



| | | |
|------------------------------------------------------------|---|-------------------------------------------------------------------------|
| 8.2.3.Environmental exposure controls | : | Avoiding contamination of drainage sewers, surfaces and groundwater. |
| Measures related the substance/ mixture, to avoid exposure | : | No data available |
| Training measures required to avoid exposure | : | The training of the staff is organized according to a company schedule. |
| Organization measures to avoid exposure | : | Training of staff |
| Technical measures to avoid exposure | : | Training of staff |

Engineering measures

For the listed protective measures refer to Sections 7 and 8.

Personal protective equipment

Protection of respiratory tract

| | | |
|--------|---|----------------------------------------------------------------------------------------------------------------------------------|
| Advice | : | If the ventilation is not sufficient suitable equipment for respiratory protection should be used. Recommended filter type: P |
|--------|---|----------------------------------------------------------------------------------------------------------------------------------|

Hand protection

| | | |
|--------|---|--------------------------|
| Advice | : | Wear appropriate gloves. |
|--------|---|--------------------------|

The material used to manufacture the gloves, should be impermeable and resistant to this product /substance/ mixture.

No tests had been performed, and as a result no recommendations can be made what kind of material to be used for the gloves for this product/substance/mixture. The selection of the appropriate gloves does not depend



only on the material, but also on the additional quality characteristics, that are different for the different manufacturers.

The data concerning the exact time of penetration should be taken from the manufacturer of the protective gloves and should be followed.

Protection of eyes/skin

Advice : Protect eyes while using the product

Skin protection : According to p. 8.2.2.2

Protection Of skin and body

Advice : Wear appropriate protective clothing.

Thermal hazards : According to p. 8.2.2.4

Environmental exposition controls

Basic guidelines : Do not wash-off in surface waters.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance/type : oily transparent liquid or heterogeneous mass at temperature lower than 23°C.

Color : yellow to yellow – green color

Odor : specific of a rose.

Solubility in 90% ethanol 1:1 : complete

Stearoptene content in % : 18.0-25.0

Odor threshold : No data available from our supplier on this matter.



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| | | |
|--------------------------------------------------|---|--------------------------|
| Acidity value, mgKOH/g | : | up to 4,0 |
| Esther value, mgKOH/g | : | 7,0-24,0 |
| Acetyl number, mgKOH/g | : | 202,5 – 245,9 |
| CA/ citronellal in % | : | 64 – 80 |
| Melting point/limits | : | No information available |
| Boiling point | : | No information available |
| Freezing point/limits | : | 16,0 – 23,5°C |
| Ignition temperature | : | 51 °C |
| Evaporation rate | : | No information available |
| Flammability (solid substance, gas) | : | No information available |
| Upper explosion limit | : | No information available |
| Lower explosion limit | : | No information available |
| Vapor pressure | : | No information available |
| Relative density of vapors | : | No information available |
| Density | : | No information available |
| Solubility in water | : | Insoluble |
| Partition coefficient n-octanol/water Log/Pow | : | No information available |
| Ignition temperature | : | No information available |
| Thermal decomposition | : | No information available |
| Kinematic viscosity | : | No information available |



Explosivity : No information available

Oxidizing properties : No information available

9.2. Additional information

Refraction index : 1.452 - 1.470

Relative density : 0.8480 - 0.880

Optical rotation : from -5° to -1,8°

10. Stability and Reactivity

10.1. Reactivity

Advice : The product is stable at the recommended conditions of handling and storage.
Exposure to light and heat may cause oxidation.

10.2. Chemical stability

Advice : Stable at normal conditions

10.3. Possible hazardous reactions

Hazardous reactions : Avoid contact or contamination with strong acids, alkali or oxidizers.

10.4. Conditions to avoid

Conditions to avoid : Heating to high temperature.
Do not expose closed containers to the sun.
Keep away from ignition sources.

Thermal decomposition : May form carbon oxide (CO) and carbon dioxide (CO₂).

10.5. Incompatible materials

Materials to avoid : P.V.C.

10.6. Hazardous decomposition products



Hazardous decomposition : No data available
products

11. Toxicological Information

11.1. Information on toxicological effects

Basic information: The information presented in this section doesn't belong to the product itself but results from the toxicity data of its components

Acute toxicity

GERANYL ACETATE 105-87-3

Oral LD50 (rat): 6330 mg/kg; Oral LD50 (mouse): 8 gm/kg

EUGENYL METHYL ETHER (METHYL EUGENOL) (CAS: 93-15-2)

Oral route: LD50 = 810 mg/kg

PHENYLETHYLALCOHOL (CAS: 60-12-8)

Oral route: LD50 = 1610 mg/kg

Dermal route: LD50 = 2500 mg/kg

EUGENOL (CAS: 97-53-0)

Oral route: LD50 = 2300 mg/kg

NEROL (CAS: 106-25-2)

Oral route:LD50 = 4500 g/kg

GERANIOL (CAS:106-24-

Oral route: LD50 = 4200 mg/kg

CITRONELLOL (CAS: 106-22-9)

Oral route:LD50 = 3450 mg/kg

Dermal route: LD50 = 2650 mg/kg

LINALOOL (CAS:78-70-6)

ORAL ROUTE: LD50=2200MG/KG

SPECIES: MOUSE

OECDGUIDELINE 401(ACUTE ORAL TOXICITY)



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Method : LD50
Species : mouse
Routes of exposure : **oral**
Effective dose : -
Duration of exposure : -
Results : > 5.000mg/kg

Method : LD50
Species : rat
Routes of exposure : **oral**
Effective dose : -
Duration of exposure : -
Results : 6.730mg/kg

Corrosion/Skin irritation

Method : LD50
Species : rabbit
Routes of exposure : **dermal**
Effective dose : -
Duration of exposure : -
Results : > 5.000mg/kg

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)

GERANIOL (CAS: 106-24-1)

LD50 (Rabbit) = > 5,000 mg/kg

Notes : May causes skin irritation in sensitive persons.



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Serious damage/eye irritation

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)

Result : Serious eye damage.
May cause irreversible effect on the eyes, such as damage of the eye tissue or serious physical decay of vision that is not fully reversible by the end of the monitoring period of 21 days.
The serious eye damage is characterized by cornea destruction, permanent opacity of cornea and iritis.

Respiratory or skin sensitization

EUGENOL(CAS: 97-53-0)

in vivo assay-Mouse(Eugenol).
(OECDTestGuideline429)

May cause allergic skin reaction.

Note : Possible sensitization through skin contact because of the existence of allergens. May cause allergic skin reaction.

Mutagenicity of germ cells

Rat (eugenol), Liver, DNA damage
Mouse (eugenol), lymphocytes



Mutation in mammalian somatic cells.

Hamster (eugenol) embryo

DNA synthesis

Hamster (eugenol) embryo

Morphological transformations.

Hamster (eugenol) embryo

Carcinogenicity

IARC: 3-Group3 : Cannot be classified related to its carcinogenicity to people (Eugenol)

Summary of the assessment of CMR properties

Note : No data available

STOT (specific target organ toxicity) — single exposure

Note : No data available

STOT (specific target organ toxicity) — repeated exposure

Note : No data available

Aspiration hazard

Note : No data available

Information on possible routes of exposure

Note : Skin absorption

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 : The toxicology information is based on the information concerning the content and the available information.

12. Ecological information

Basic information: The information presented in this section doesn't belong to the product itself, but results from the toxicity data of its components

12.1. Toxicity



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Product:

Acute (short-term) toxicity:

Fish

LINALOOL(CAS:78-70-6)

FISH TOXICITY: *DURATION OF EXPOSURE :96H*
LC50=27.8MG/L
SPECIES :ONCORHYNCHUS MYKISS
OECDGUIDELINE 203(FISH,ACUTE TOXICITY TEST)

EUGENOL(CAS: 97-53-0)

L C50-Danioreho (zebrafish)-13mg/l-9 6h(Eugenol).
(OECD TestGuideline203)

GERANIOL (CAS: 106-24-1)

LC50(96 h, Danio rerio (zebra fish)) = 14 mg/l

Toxic for Daphnia and other aquatic invertebrates

LINALOOL(CAS:78-70-6)

CRUSTACEAN TOXICITY *DURATION OF EXPOSURE :48H*
EC50=59MG/L
SPECIES :DAPHNIA MAGNA
OECDGUIDELINE 202(DAPHNIA SP.ACUTE)

EUGENOL(CAS: 97-53-0)

EC50-Daphnia(water flea)-1.13mg/l-48h(Eugenol).

GERANIOL (CAS: 106-24-1)

EC50(48 h, Daphnia magna (Water flea)) = 7.75 mg/l (OECD Test Guideline 202)

Algae/aquatic plants

LINALOOL(CAS:78-70-6)

IMMOBILISATION TEST

ALGAE TOXICITY: *DURATION OF EXPOSURE :96H*
ECr50=88.3MG/L
SPECIES :DESMODESMUS SUBSPICATUS

OTHER GUIDELINE

GERANIOL (CAS: 106-24-1)

ErC50(72 h, Scenedesmus capricornutum (fresh water algae)) = 3.32 mg/l (OECD Test Guideline 201)



Bacteria

Note : No data available

Chronic (long-term) toxicity:

Note : No data available

Fish

Note : No data available

Shellfish

Note : No data available

Algae/water plants

Note : No data available

Other organisms

Note : No data available

12.2. Persistence and degradability

Product:

Abiotic degradation

Note : No data available

Physical and photo-chemical elimination

Note : No data available

Biochemical degradation

Biodegradation : 98%
Duration of exposure : 2 days
Note : Biodegradable



12.3. Bioaccumulation

Product:

Partition coefficient n-octanol/water (log Kow)

Note : No data available

Bioconcentration factor (BCF)

Notes : Does not accumulate in biological environment

12.4. Mobility in soil

Product:

Known or predicted distribution in environmental components

Note : No data available

Surface tension

Note : No data available

Adsorption/desorption

Note : No data available

12.5. Results of PBT and vPvB assessment

This product doesn't contain substances considered highly persistent nor highly bioaccumulative vPvB.

This product doesn't contain substances considered persistent, bioaccumulative or 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



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Notes : Do not wash in surface waters.

12.7. Additional information

Notes : Do not wash in surface waters.

13. Disposal Considerations

13.1. Waste treatment methods

13.1.1. Disposal of product/packing

Codes/designation of waste according to LoW: -

Product : To be treated in accordance with Directive 2008/98 EC.

Contaminated packaging material : No data available.

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.

13.1.2. Information on waste treatment : Dispose of in an approved for the purpose facility according to local regulations.

13.1.3. Information on discharge in sewer systems : Do not permit the water used for washing or from the treating installations to enter the sewer systems, it may be necessary to collect all the washing water before treatment.

13.1.4. Other recommendations on waste disposal : No data available.

14. Information on transportation

The transportation is accomplished in standard wooden cases, certified transport boxes for hazardous products or ordinary sturdy corrugated boxes limiting the weight — up to 10 kg net.

14.1. UN proper shipping name

1169



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14.2 UN proper shipping name

1169 ROSA DAMASCENA FLOWER OIL

14.3 Transport hazard class(es)

1169 LIQUID AROMATIC EXTRACTS

14.4. Packing group

III

14.5. Environmental hazards



14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II to MARPOL and IBC Code“



Transport icon : **Class 3.3 – Highly flammable liquids, hazardous at high temperature**

Road transport

ADR *Class 3, packing group III, UN 1169*

RID *Class 3, packing group III, UN 1169*

Tunnel code A, B, C, D

Waterway transport



ADN

Class 3, packing group III, UN 1169

Maritime transport

IMDG

Class 3, packing group III, UN 1169

Maritime pollutant

Yes

Air transport

IATA/CAO

Class 3, packing group III, UN 1169

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.

Permits or restrictions for use : No information available.

Restrictions : No information available.

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 available.

Other legal acts, restrictions and prohibitive standards : No information available



15.2. Chemical Safety Assessment

No data available.

The supplier had not prepared a chemical safety assessment for this substance/mixture.

16. Other information

Shelf life

Unlimited.

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

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) |
| 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) |
| DMEL | Derived Minimal Effect Level |
| DNEL | Derived No-Effect Level |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| GHS | "Globally Harmonized System of Classification and Labelling of Chemicals" ", developed by the United Nations |
| IMDG | International Maritime Dangerous Goods Code |
| IOELV | Indicative occupational exposure limit value |
| MARPOL | International Convention on Prevention of Pollution from Ships (abbr. to "Marine Pollutant) |
| PBT | Persistent, bioaccumulative and toxic |
| PNEC | Predicted No-Effect Concentration |
| ppm | parts per million |
| 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) |
| vPvB | very Persistent and very Bioaccumulative |

Flammable liquids Flammable Liquids. 3

Skin irritation Corrosion/irritation

Eye irritation (Corrosion) Damage/Irritation 1

Hazardous for aquatic life Aquatic Chronic 4



Main references and sources of data in the literature

- Regulation (EC) No 1907/2006 (REACH), as amended by 2015/830/EU
- 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 |
| H226 | Flammable liquid and vapors |
| H315 | Causes serious skin irritation |
| H318 | Causes serious eye damage |
| H412 | Hazardous for aquatic life, with long-lasting effect |
| EUH 208 | Contains Linalool, Citronellol, Geraniol, Eugenol, Farnesol. May cause allergic reaction. |
| | List of instructions for safe treatment, used in the safety document |
| P102 | Keep away from children |
| P210 | Keep away from heat/sparks/naked flame/hot surfaces. Do not smoke. |
| P233 | The container should be tightly closed. |
| P264 | Carefully wash the skin of the hands after using the product |
| P241 | Use electrical/ventilating/ lighting/.. /equipment, protected against explosion |
| P242 | Use tools that do not generate sparks |
| P273 | Avoid release in environment |
| P280 | Use protective gloves/protective clothing/protective goggles /protective face mask. |
| P305 + P351 + P338 | IF CONTACT WITH EYES: Rinse thoroughly with water for several minutes. |
| P333+P313 | In case of skin irritation or rash: seek medical advice/help |
| P411 | Store at temperatures not higher than 18°C |
| P501 | Dispose of the content / container in an approved for disposal place in compliance with the 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.



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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.

E N D!



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

Customer: ,, ALTEYA ORGANICS LLC 1Rozovarna Str., 6167, Village of Yagoda, Stara Zagora Region

Name of product: Organic Rose Oil /ROSA DAMASCENA FLOWER OIL

| | NAME OF SUBSTANCES | REMARK | CAS № | EINECS № | NATURAL % | SYNTHETIC % | TOTAL % |
|----|-------------------------------------------------------------|----------------------------------|------------|-----------|-----------|-------------|---------|
| 1 | AMYL CINNAMAL | H317; H411 | 122-40-7 | 204-541-5 | - | - | - |
| 2 | AMYL CINNAMYL 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 | - | - | - |
| 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 | 24,66 | - | 24,66 |
| 12 | COUMARIN | H302; H317 | 91-64-5 | 202-086-7 | - | - | - |
| 13 | EUGENOL | H319; H317 | 97-53-0 | 202-589-1 | 0,89 | - | 0,89 |
| 14 | FARNESOL | H315; H319 | 4602-84-0 | 225-004-1 | 1,94 | - | 1,94 |
| 15 | ALPHA-ISOMETHYL IONONE | H412 | 127-51-5 | 204-846-3 | - | - | - |
| 16 | GERANIOL | H315; H317 | 106-24-1 | 203-377-1 | 21,65 | - | 21,65 |
| 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 | - | - | - |
| 22 | LINALOOL | H315 | 78-70-6 | 201-134-4 | 0,75 | - | 0,75 |
| 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 (TREETMOSS EXTRACT) | H317 | 90028-67-4 | 289-860-8 | - | - | - |
| 26 | EVERNIA PRUNASTRI (OAK MOSS) | H317 | 90028-68-5 | 289-861-3 | - | - | - |



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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 in Article 6(1)(g) when its concentration exceeds:— **0,001 %** in “**leave-on**” products, (and)— **0,01 %** in “**rinse-off**” products