



SAFETY DATA SHEET

Rose oil from Rosa Damascena Mill

According to EC Regulation No 1272/2008 and EC Regulation No 286/2011

Printing date 08.05.2017

Version 02

Reviewed on 08.05.2017

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

1.1. Product identifier

Trade name	:	Natural Rose oil from Rosa Damascena Mill
Article number	:	-
Substance name	:	ROSA DAMASCENA FLOWER OIL
Substance No	:	-
CAS No	:	90106-38-0 /8007-01-0
EINECS	:	290-260-3

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

Uses of the substance / mixture	:	For using in perfumery, cosmetics and pharmacy separately or as component of composition
Recommended restrictions on use	:	No data available

1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier	:	STYX Naturcosmetic GmbH Am Kräutergarten 6 3200 Ober-Grafendorf, Austria Tel.: +43 (0) 2747-3250 Fax: +43 (0) 2747-3250-10 M: office@styx.at
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1.4. Emergency telephone number

Poison Information Center	Tel.: +43 (1) 406 43 43 (0-24 Uhr)
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2. Hazards identification

2.1. Classification of the substance or mixture




Classification according to Regulation (EC) No 1272/2008

Flammable liquids, Category 3	H226: Flammable liquids and aerosol
Sensitization-skin, Category 1	H317: May cause an allergic skin reaction
Serious eye damage, eye irritation, Category 1	H318: May cause serious damage to the eyes

Specific target organ toxicity, Category 3	H335: May cause irritation of the respiratory tract
Danger to the aquatic environment- chronic danger, Category 4	H413: May cause a long lasting harmful effects to aquatic organisms
	EUH 208: Contains CITRONELLOL; GERANIOL; LINALOOL; EUGENOL; FARNESOL, May cause an allergic reaction

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms	:	  
Signal word	:	Flammable Danger Dangerous for the environment
Content of the components constituting a hazard	:	CITRONELLOL; GERANIOL; LINALOOL; EUGENOL; FARNESOL
Hazard statements	:	H317: May cause an allergic skin reaction H226 Flammable solutions and aerosol H318: May cause serious damage to the eyes H335: May cause irritation of the respiratory tract H413: May cause a long lasting harmful effects to aquatic organisms
Precautionary statements	:	Protection: P102 Keep out of reach of children P273 Avoid release into the environment P281 Use the prescribed personal protective equipment P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P308+P313 In the case of an apparent or suspected explosion, Seek medical attention P333+P313 By prolonged eye irritation or skin rash, seek medical advice/ help P301+P330 IF SWALLOWED: Rinse mouth
Additional safety recommendations	:	P201 Use special instructions P202 Do not use before reading and understanding all safety precautions

2.3. Other hazards

No other information available

3. Composition/information on ingredients

3.1. Chemical characterization: Substance

<i>Chemical name</i>	<i>CAS No</i>	<i>FINECS/ ELINCS No</i>	<i>Concentration/ limits (w/w %)</i>	<i>Classification / Regulation EO No 1272/2008</i>
Rosa Damascena (Rose) Oil	90106-38-0/ 8007-01-0	290-260-3	to 100%	H266; H317 H318; H335 H413
Stearoptenes	1406-57-1	215-799-3	8-25 %	H226; H319 H413
Ethanol	64-17-5	200-578-6	No more than 3,0%	STOT SE 3 H225 H315+H320 H319; H335 H336; H401
Linalool	78-70-6	201-134-4	1,0-3,0%	H315 H319 H317
Phenethyl alcohol	60-12-8	200-456-2	No more than 3,0%	H302; H311 H315; H319
Citronelol	106-22-9/ 26489-01-0/ 7540-51-4/ 1117-61-9	203-375-0/ 247-737-6 / 231-415-7 / 214-250-5	24-35%	H303+H313 H315; H317 H319; H401
Geraniol	106-24-1	203-377-1	13-22%	H315 H317 H318
Nerol	106-25-2	203-378-7	5-12%	H315; H317 H318; H319
Geranyl acetate	105-87-3	203-314-5	No more than 1,5%	H315 H319 H335
Eugenol	97-53-0	202-589-1	No more than 2,5%	H317 H319
Methyl eugenol	93-15-2	202-223-0	No more than 2,0%	H302; H315 H319; H335 H411
Farnesol	4602-84-0	225-004-1	No more then 1,4%	H315; H317 H411; H319
Hydrocarbons: C17 n-Heptadecane C19 Nonadecane C19 Nonadecene C21 Heneicosane C23 Tricosane	629-78-7 629-92-5	211-108-4 211-116-8	1,0-2,5% 8,0-15,0% 2,0-5,0 % 3,0-5,0% 0,5-1,5%	H315 H317 H319 H411

4.

First aid measures

4.1.

Description of first aid measures

General information	:	If you feel unwell, seek medical advice (show the label)
After inhalation	:	No data available

After skin contact	:	No data available
After eye contact	:	Immediately rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing	:	Rinse the mouth with water, after that drink plenty water. If symptoms persist consult doctor.

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

Symptoms	:	No other information available
Effects	:	No other information available

4.3. Directions on the need for emergency medical care and special treatment

Treatment	:	Required medical assistance if swallowed No specific antidote. The treatment is symptomatic No other information available
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5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing agents	:	Use water stream, alcohol-free foam, dry chemical or CO ₂ (Carbon dioxide)
Non suitable extinguishing agents	:	Not known

5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting	:	In case of fire the quenched material is to be collected. Do not allow extinguishing water into the drains
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5.3. Advice for firefighters

Protective equipment	:	To be worn personal protective equipment, self-contained breathing apparatus, protective clothing suitable for fighting chemical fires. To be cleaned equipment for firefighting after the incident and used clothing
Additional information	:	No information

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions protective equipment	:	Wear personal protective equipment. Keep unprotected persons away upwind. Avoid dust formation. For personal care, see Section 8
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6.2. Environmental precautions:

Environmental precautions	:	Do not allow product to reach sewage system or any water course In case of an accident and/or spillage of the product to take measures for its localization and limitation. At large spills to limit the spill by using inert absorbent material (sand, soil, Kieselguhr). Spilled quantity to be collected and place in container for temporary storage. After then to be surrender of persons authorized under Art. 37 of Law on Waste Management. At small spills is diluted with water and wash. Amounts collected to be treated as waste- to store temporary in special and labeled containers and to be submitted to persons holding
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clearance under Article 37 of Law on Waste Management. In the case of sewage ejection, surface and groundwater and in the soil, to be notify the competent Authority.

6.3. Methods and material for containment and cleaning up

Methods and material for containment and cleaning up: In case of large spills to limit the spill by using inert absorbent material (sand, soil, Kieselguhr). Spilled quantity to be collected and place in container for temporary storage and after then to be surrender of persons authorized under Art. 37 of Law on Waste Management. At small spills is diluted with water and wash. Contaminated materials must be disposed of as waste according to point 13.

6.4. Reference to other sections

See Section 8 for information on personal protection equipment

7. Handling and storage

7.1. Precautions for safe handling

Guide for safe handling : Handle in accordance with good industrial hygiene and safety. Avoid the eyes contact. In case of accident wash the eyes with plenty of water and take a shower. Store in a tightly closed and dry place.

Hygienic measures : Immediately remove the clothing. Wash the hands before the rests and in the end of the work day. Avoid the eye contact.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and containers : To be stored in original containers

Recommendations on protection against fire and explosion : Not known

Level of dust explosion : Not known

Further information about storage condition : Keep container tightly sealed. Store in a dry place. Avoid the moisture. Protect from wetting.

Storage recommendations : Incompatible with acids and alkalis

7.3. Specific end use(s)

Specific end use(s) : As raw material in perfumery, cosmetic and pharmaceutical industries.

8. Exposure controls/personal protection

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace:

Additional information : Not contain substances for which standards for data are available in the workplace.

8.2.

Exposure controls

Engineering controls

For the indicated protective measures see section 7 and 8

Personal protective equipment

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. Recommended filter type P
Advice

Protection of hands : Wear protective gloves
Advice
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can't be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection/ Advice : If use, keep the eyes.

Skin protection/ Advice : Wear suitable protective equipment.

Control of environmental exposure

General guidelines : Do not allow product to reach sewage system or any water course

9.

Physical and chemical properties

9.1.

Information on basic physical and chemical properties

General Information

Appearance:

Form : Transparent clear liquid

Color : Light to dark yellow

Odor : Specific, of rose

Solubility in 90% Ethyl alcohol : completely

Content of Stearophthens, % : 8,0 – 25,0

Limit of odor : No information

pH 50g/l / 25°C	:	6.5 – 7.5
Acid number, mg KOH/ g	:	to 4,0
Ester number	:	7,0 – 17,0
Acetyl number	:	202,5 – 245,9
Melting point	:	Not determined
Boiling point	:	Not determined
Freezing point	:	16,5 -23,5° C
Flash point	:	51° C
Evaporation rate	:	Not determined
Flammability (solid, gaseous)	:	Not determined
Explosion limits / lower	:	Not determined
Vapor pressure	:	Not determined
Density	:	Not determined
Relative density	:	Not determined
Vapor density	:	Not determined
Evaporation rate	:	Not determined
Solubility in water / 25°C	:	Non soluble
Partition coefficient (n-octanol/water)	:	Not determined
Flash point	:	Not determined
Thermal decomposition	:	Not determined
Viscosity, kinematic	:	Not determined
Danger of explosion	:	Not determined
Oxidizing properties	:	Not determined

9.2. Other information

Refractive index, n ₂₀ /D	:	1.4520 – 1.4700
Relative density	:	0.8480 – 0.8800
Optical rotation	:	-2° to -5°

No further relevant information available

10. Stability and reactivity

10.1. Reactivity

Advice	:	Stable under the specified conditions of stability
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10.2. Chemical stability

Advice	:	Stable under the normal conditions
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10.3. Possibility of hazardous reactions

Hazardous reactions : Incompatible with acids and alkalis

10.4. Conditions to avoid

Conditions to avoid : Excessive heat
 Thermal decomposition : Not determined

10.5. Incompatible materials

Material to be avoided : Not determined

10.6. Hazardous decomposition products

Hazardous decomposition products : Not determined

11. Toxicological information**11.1. Information on toxicological effects**

Acute toxicity		
Oral		
Type value	:	LD50
Value	:	5.040 mg/g
Biological specie	:	mouse
Type value	:	LD50
Value	:	6.730 mg/g
Biological specie	:	rat
Irritation		
Skin		
Notes	:	May cause a skin irritation in sensitive persons
Eyes		
Result	:	Irritating effect on the eye
Sensitization		
Notes	:	Not determined
Carcinogenicity		
Notes	:	Not determined
Mutagenic effects		
Notes	:	Not determined
Reproductive effects		
Notes	:	Not determined
Effects on development		
Notes	:	Not determined
Teratogenicity		
Notes	:	Not determined
STOT - Single explosion		
Notes	:	Not determined
STOT - Multiple explosion		

Notes	:	Not determined
		Inhalation hazard
Notes	:	In high concentrations the vapors may cause irritation of the throat and respiratory system and cause cough
		Symptoms / Effects, sharp and postponed
Notes	:	Not determined
		Other side effects
Notes	:	Toxicological properties have not been fully investigated

12. Ecological information

12.1. Toxicity

Product:		
Acute toxicity		
Fish		
Biological species	:	Motley fish
Exposure time	:	96 h
Type value	:	LD50
Value	:	440 - 760 mg/g
Method	:	DIN 38412
Toxicity to daphnia and other aquatic invertebrates		
Biological species	:	Daphnia magna
Exposure time	:	72 h
Type value	:	EC50
Value	:	Approximately 120 mg/g
Algae		
Biological species	:	Scenedesmus quadricauda (green algae)
Exposure time	:	168 h
Type value	:	EC0
Value	:	640 mg/l
Bacteria		
Biological species	:	Pseudomonas putida
Type value	:	EC0
Value	:	> 10,000 mg/l
Method	:	DIN 38412

12.2. Persistence and degradability

Product:		
Persistence and degradability		
Ability and biodegradability		
Biodegradability	:	98%
Exposure time	:	2 days

Notes : biodegradable

12.3. Bio accumulative potential

Product:

Bioaccumulation

Notes : Completely soluble
Does not accumulate in biological environment

12.4. Mobility in soil

Product:

Mobility

Notes : The product is mobile in in an aqueous environment

12.5. Results of PBT and vPvB assessment

This product does not contain substances considered to be very persistent nor very bio accumulating vPvB.
This product contains no substance considered to be persistent, bio accumulative or toxic PBT.

Products:

Results of PBT and vPvB assessment

Notes : No further relevant information available

12.6. Other adverse effects

According to the conventional method of Directive 99/45/EC

Products:

Biochemical oxygen demand (BOD)

Value : No further relevant information available

Chemical oxygen demand (BOD)

Value : No further relevant information available

Additional ecological information

Notes : Do not allow product to reach sewage system or any water course

13.

Disposal considerations

13.1. Waste treatment methods

Product : Must not be disposed together with household garbage.
Special measures are required for disposal in accordance with local regulations. Do not allow product to reach

sewage system. Dispose of as special waste in accord with local and national requirements.

Contaminated packaging : In according with local and national requirements. Dispose of as unused product.

European waste catalogue No : For this product is unable to give the waste code according to European waste catalogue as it is prompted by the possible uses. Waste code is given after consultation with the Regional waste office.

14. Transport information

The product is flammable (class 3).

14.1. UN-Number

1197

14.2. UN proper shipping name

Extracts, flavouring, liquid

14.3. Transport hazard class(es)

Class 3

14.4. Packing group

III

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7.

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



Class 3.3 - Flammable liquids, dangerous at high temperatures

IMDG : Class 3

Road shipment

ADR Class 3

RID Class 3

River shipment

AND Class 3

Marine shipment

IMDG Class 3

Air shipment

IATA/CAO Class 3

13. Regulatory information

15.1. Specific for the substance or mixture regulations / legislation on safety, health and environment

Other rules / laws

This Safety Data Sheet is consistent with the Law for protection from harmful effects of chemical substances and preparations and ordinance on KOE

15.2. Chemical safety assessment

No information

16. Other information

When the Rose oil is saved under recommended condition the shelf life is unlimited

The complete text of H-annex concerns the subsection 2 and 3

H226 Flammable liquids and aerosol

H317 May cause an allergic skin reaction

H318 May cause serious damage to the eyes

H335: May cause irritation of the respiratory tract

H413 May cause a long lasting harmful effects to aquatic

EUH 208: Contains CITRONELLOL; GERANIOL; LINALOOL; EUGENOL; FARNESOL.

May cause an allergic reaction

Additional information:

Recommendations for safety	:	P102	Keep out of reach of children
		P273	Avoid release into the environment
		P281	Use the prescribed personal protective equipment
		P305+P351 +P338	IF IN EYES: Rinse cautiously with water Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
		P308+P313	In the case of an apparent or suspected explosion, Seek medical attention
		P301+P330 P333+P313	IF SWALLOWED: Rinse mouth By prolonged eye irritation or skin rash, seek medical advice/ help

Additional safety recommendations :

P201	Use special instructions
P202	Do not use before reading and understanding all safety precautions
P405	To be kept under lock

Other information :

In accordance with the general product specification:
Information in this Safety Data Sheet provides typical product data / analysis and is obtained from sources and reliable sources. The information is correct within our knowledge and is the best based on our knowledge and information on the day of publication. The information provided is intended to serve as an indication only when properly and safely handled, handled, stored, transported and should not be considered as a guarantee or qualitative feature with regard to veracity.

It is the responsibility of the user to determine safe conditions for the use of this product and to assume responsibility for loss, injury, damage or costs arising from improper use of this product. The information only applies to this product and is not valid in case of use in combination with other materials or in other processes unless this is disclosed in the text.

Limited for professional use

Caution: Obtain special instructions before use

The information provided does not constitute a delivery contract, for each specification or for an application, the buyer must check their requirements and recommendations for the use of this product.