



ROSA DAMASCENA
BULGARIA

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MATERIAL SAFETY DATA SHEET

Acc. To Directive 91/155/EC and Decree № 316/2003

IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY

Identification of product: **Natural Rose Water**

Product group and description: 100% natural product obtained by water steam distillation of petals of the leaginous rose of Kazaniak (Rosa Damascena P. Miller, a.k.a. Rosa kazanlika sp. nova V.T.), grown in Bulgaria.

SUPPLIER NAME AND ADDRESS:

RUBIN STANEVO LTD.

CONTACT INFORMATION

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COMPOSITION/INFORMATION ON INGREDIENTS

Bulgarian rose oil contains about 283 ingredients of which 9 to 14 account for 86-90%. It consists of two main phases: **eleoptene** (liquid) and **stearoptene** (solid). Eleoptene, which is the bearer of aroma, is mainly composed of terpene alcohols such as citronellol, geraniol, nerol, linalool, farnesol, etc. Of the stearoptene ingredients, the most important are the saturated normal paraffins from C₁₁ to C₂₁ (approx. 66% of the stearoptene). Unsaturated monoolefins such as C₁₃₋₂₁ account for about 13%. Waxes in the stearoptene account for about 21% and they are homologues of C₁₉₋₃₁.

The product is classified as preparation under Decree № 316/2003
Rosa Damascena oil (INCI) CAS № 90106-38-0

The product is NOT classified as dangerous under Directive 67/548/EEC, Appendix № 1 to Decree № 316/2003

HAZARDS IDENTIFICATION

The product is not classified as dangerous.

Dangerous reactions: flammable

FIRST-AID MEASURES

Inhalation:

In case of inhalation of heated vapours in high concentrations remove victim to fresh air.

Contact with skin:

In case of irritation or redness immediately seek medical help.

Contact with eyes:

Immediately remove using cotton wad and rinse with plenty of water for at least 10 minutes; in case





irritation or pain, immediately seek medical help.
като се подкрепят в протоколната книга. Протоколната книга се съхранява в един от
инстинктите.
15.1. За заседането на общото събрание на съдружниците се изготвя протокол,
help.

15. Точка Петадесета. РЕШЕНИЯ НА ОБЩОТО СЪБРАНИЕ

FIRE-FIGHTING MEASURES

неприсъствено, ако всички съдружници не са в състояние да вземат
14.6. Решенията на общото събрание на съдружниците могат да се вземат
за заседането. В поканата се посочва днешния ред.

Media not to be used: Do not use direct water jet!
Hazardous substances produced in fire: CO/CO₂. Do not breathe gas and vapours!
14.5. Поканите за заседането се изпращат писмено или чрез телеграф, телекс или

членове са редовно поканени,
Special protection means: respirators with special filters protecting from vapours and gases.

ACCIDENT PREVENTION

14.4. Заседането на общото събрание на съдружниците е редовно, ако всички му
надхвърлят 1/2 от капитала.

Personal precautions: Avoid sources of heat and sparkles. Avoid spilling on skin.
14.3. Управителят е длъжен да свика общо събрание на съдружниците по всяко време
Protection of environment: Do not allow to run into water basins. Prevent soil pollution.

Means for cleaning-up in case of accidental release: Spilled product must be absorbed with appropriate
matter, which is then returned in production for secondary use. The place must be washed with water
14.2. Управителят е длъжен да свика общото събрание на съдружниците и по писмено
detergent and the premises must be ventilated. Wash contaminated parts of the body with water and soap.

14.1. Общото събрание на съдружниците се свика от Управителя.

STORAGE AND HANDLING

14. Точка Четириндесета. СВИКНАТА ОБЩАТА ГОДИШНА ОТЧЕТНА ДОКЛАДОВА
на мнозинството. Останалите решения се вземат с мнозинство повече от 1/2 от капитала.

Precautions at work: Do not smoke, drink or eat at work. Avoid direct contact with the eyes.
Изключвателният съдружник не гласва и неговият дял се приспада от капитала при определяне
of the temperature limit in production. Provide electric safety of the equipment.

четвърти от капитала, а решениата по подточка 1. и 9. се вземат с мнозинство повече от три
с дълготраен срок. Решениата по точка 13.2, подточки 1. и 9. се вземат с мнозинство повече от три
Precautions at work: Do not smoke, drink or eat at work. Avoid direct contact with the eyes.

13.3. Всеки съдружник има толкова гласа в общото събрание, колкото е неговият дял
в капитала.
Specific use: For professional use only. Follow the Application Instructions in the production of
pharmaceutical products.

12/ съдружниците могат да гласват чрез представител само при изрично писмено
свещетелство, присъстващите се считат за редовно поканени.

EXPOSURE CONTROL / PERSONAL PROTECTION

11/ когато на заседането на общото събрание на съдружниците се определя датата на
най - малко веднъж годишно.

10/ общото събрание на съдружниците се свика на редовно заседание от Управителя
product.
Exposure control: Prevent formation of vapours in the work place.

9/ взема решение за определяне на работното време на работното място.
контролора и назначаване на представители за водене на процеси срещу тях;

8/ взема решение за определяне на дружеството срещу Управителя или
Respiratory protection: Provide efficient ventilation.
Protection of hands: It is necessary to wear chemically resistant gloves.

7/ взема решение за придобиване и отчуждаване на недвижими имоти и вещи, продава
Eyes protection: Does not require safety goggles.
Protection of skin and body: Warm wash.

6/ взема решение за отпускане и задържане на клонове и дялове в други дружества.
отговорност.

5/ избира Управителя и го освобождава от
решения за неиното изпълнение.
4/ взема решение за намаляване и увеличаване на капитала;

3/ приема годишния отчет и баланс на дружеството, разпределя печалбата и взема
на нов член;
2/ приема и изключва съдружници, дава съгласие за прекъсване на дружествено
Liquid
Physical state
Colour

1/ изменя и допълва дружествения договор;
13.2. Общото събрание на съдружниците:
в заседанието на общото събрание на съдружниците със свещетелен глас, ако не е съдружник.

13. Точка Тринадесета. ОБЩО СЪБРАНИЕ

13.1. Общото събрание са състои от съдружниците. Управителят на дружеството участва





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Delivery form	Liquid
Odour	Typical of fresh rose flower
Specific gravity D_{20}^{20}	From 0,8480 to 0,8610
Refractive index, N_{20}^{20}	From 1,4530 to 1,4640
Angle of rotation of polarization plane, α^{25}_D	From minus 2 to minus 5
Freezing point, °C	From 17 to 22
Acid number, mg KOH/g, less than	4.0
Ester number, mg KOH/g	From 7.0 to 17.5
Ester number after acetylation, mg KOH/g	From 202.5 (which corresponds to 64% free alcohols like citronellol) to 245.9 (which corresponds to 80% free alcohols like citronellol)
Flash point, °C	67
Vapour pressure (mmHg, Pa)	Not defined
Typical ingredients content, %:	
- Citronellol	From 20 to 37
- Nerol	From 6 to 12
- Geraniol	From 14 to 27
- Phenyl ethyl alcohol, not more than:	3.0
- Normal paraffin hydrocarbons (C ₁₇ , C ₁₉ , C ₂₀ , C ₂₁ and C ₂₃)	From 18 to 25

STABILITY AND REACTIVITY

Stability: Stable at standard temperatures. Avoid contact with strong oxidizers. Do not heat closed containers.

Materials to avoid: Avoid contact with strong oxidizers.

Dangerous decomposition products: No dangerous decomposition products have been discovered.

TOXICOLOGICAL INFORMATION

There is no information about side effects, contact sensitization, mutagen or carcinogen effect or toxicity to reproduction.

ECOLOGICAL INFORMATION

Ecotoxicity. No tests for ecotoxicity have been conducted.

Since it is difficult to use ecotoxicological methods to foresee expected unfavourable effect on sensitive parts of ecosystems, the substance must be applied in production in a way to prevent it from running into sewers or from polluting water basins.

Stability and degradability: biodegradable product

No bioaccumulation effect

DISPOSAL CONSIDERATIONS

Product: use the whole quantity from original packaging when open. No specific requirements unless specified.

Packaging: Collect packaging in specially indicated places and destroy in compliance with local regulations.





Do not use for household purposes.

TRANSPORT INFORMATION

Transporting the product is safe with respect to standard requirements.

Not regulated under ADR, RID, ICAO – TI, IMDG or UNO. The substance is not classified as dangerous. In case of accidental release apply the provisions of item 6.

REGULATORY INFORMATION

Danger symbol and sign:

The product is not classified as dangerous under Decree № 316/2003.

Safety phrases:

S 7/9	Keep container tightly closed and in a well-ventilated place.
S 20/21	When using do not eat, drink or smoke.
S 25	Avoid contact with eyes.
S 36/39	Wear suitable protective clothing and eye/face protection

There is no Admissible Concentration Limit (ACL) in air at the workplace.

OTHER INFORMATION

Intended use:

Used in the production of cosmetic, perfumery and medical products.

This safety data sheet has been prepared based on:

- Decree № 316: Ordinance on the way and method of classification, packing and labelling of existing and new chemical substances, preparations and products (OJ № 5/2003), Annex № 16 to Art. 41, paragraph 1.
- 2003 CIR (Cosmetic Ingredient Review) Compendium. Dee Bogetti Publ., St. Stephens Church, VA, USA, 2003, 1 – 346
- Guillot, J. P., M. C. Martini, J. Y. Giauffret Safety evaluation of cosmetic raw materials. J. Soc. Cosmet. Chem., 1997, v. 28, 377*393

The information contained in the Product Safety Data Sheet is based on the present state of our knowledge. Since the use of the above information and the conditions of application of the substance are beyond the control of Eterichno Maslodaini Rastenia Ltd., the use of the commercial product is responsible for the conditions of its safe application.

Every end user must be acquainted with the information contained in the Product Safety Data Sheet and it belongs to the intermediate supplier or distributor to make sure that they are. The user must seek advice in case he or she intends to use the substance for new or unexpected purpose.

This document is not intended for quality assessment.

Annex:

Product name: Oil of Rose

CAS №	Name	%
122-40-7	Amyl cinnamic aldehyde	0





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101-85-9	Amyl cinnamic alcohol	0
105+13-5	Anisyl alcohol	0
100-51-6	Benzyl alcohol	0
120-51-4	Benzyl benzoate	0
103-41-3	Benzyl cinnamate	0
118-58-1	Benzyl salicylate	0
104-55-2	Cinnamic aldehyde	0
104-54-1	Cinnamic alcohol	0
5392-40-5	Citral	0
106-22-9	Citronellol	22.72
91-64-5	Coumarin	0
97-53-0	Eugenol	1.72
4602-84-0	Farnesol	0
106-24-1	Geraniol	20.97
101-86-0	Hexyl cinnamaldehyde	0
107-75-5	Hydroxycitronellal	0
97-54-1	Isoeugenol	0
80-54-6	Lilial	0
5989-27-5	d-Limonene	0
78-70-6	Linalool	1.37
31906-04-4	Lyral	0
111-12-6	Methyl heptyne carbonate	0
127-51-5	Methyl ionone alpha iso	0
90028-68-5	Oak moss	0
90028-67-4	Tree moss	0

These are calculated concentrations and do not replace chromatographic quantification of the complete fragrance or the final cosmetic product.

A concentration of "0" corresponds to < 20 ppm.





National Laboratory Bul Rose Ltd

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ANALYTICAL CERTIFICATE

№ 2600/9.12.2015

Test samples: ROSE OIL
Batch: 2015
Customer: "BULGARIAN ROSA DAMASCENA" LTD – Bulgaria.

PHYSICO-CHEMICAL PROPERTIES ACCORDING BULGARIAN STATE STANDARD

Appearance: Fluid transparent liquid, above the congealing point
Colour: Yellow
Odour: Typical of Rose Oil

Characteristic components (by GC-MS-analysis), %

1 Ethanol	0.78
2 cis-Rose oxide	0.16
3 trans-Rose oxide	0.07
4 β -Linalool	1.37
5 Citronellol	22.72
6 Nerol	10.36
7 Geraniol	20.97
8 β -Phenyl ethanol	1.60
9 Heptadecane (parafine C ₁₇)	1.93
10 Methyleugenol	0.93
11 Nonadecane - (alkane C ₁₉)	8.65
12 Nonadecene - (alken C ₁₉)	8.38
13 Eugenol	1.72
14 Eicosane (parafine C ₂₀)	1.46
15 Heneicosane (parafine C ₂₁)	6.44
16 Farnesol	1.62
17 Parafine C ₂₂	0.17
18 Parafine C ₂₃	1.37

CONCLUSION:

THE TESTED SAMPLES CORRESPONDING TO THE NORMS OF BULGARIAN STATE STANDARD

LABORATORY ASSISTANT: *T. E. ...*
(surname; signature)

HEAD OF LABORATORY: *N. ...*
(surname; signature)



National Laboratory Bul Rose Ltd

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