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## **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifiers**

Natural rose water

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

Used on its own or as a biologically active component of cosmetic products - lotions, emulsions, creams, gels, etc.

### **1.3. Details of the supplier of the safety data sheet**

ECOMAIL SPRL  
 Chaussée d'Ottembourg 420, 1300 Wavre (Belgique)  
 Tel.: + 32 2 538 79 73  
 Email: info@bioflore.be

### **1.4. Emergency telephone number**

contact the country poison control center

## **SECTION 2: Hazards identification**

### **2.1. Classification of the substance or mixture**

- **Classification according to Regulation 1272/ 2008/ EC (CLP)**  
 The product is not classified as a hazardous mixture according to European regulations.
- **Classification according to Directive 67/548/ EEC or Directive 1999/45/EC**  
 The product is not classified as a hazardous mixture according to European regulations.

### **2.2. Label elements**

**Label elements according to Regulation 1272/2008/EC (CLP):**

**Hazard pictograms:** None

**Signal word:** None

**Hazard statements:** None

**Precautionary statements:** None


**2.3. Other hazards:** None

## **SECTION 3: Composition/information on ingredients**

**Chemical description:** 100 % natural product made up of a mixture of aromatic substances. It is extracted through water steam distillation from the flowers of the Kasanlak oil-yielding rose /Rosa Kazanlika V Top. = Rosa Damascena Mill./, the rose family (*Rosaceae*) through cohobation of the distillate obtained after the separation of the oil from water. Rose water is the distillate resulting from cohobation.

### **General description of the chemical substances:**

Chemical name	<u>EINECS №.</u> CAS №	Content, %	Classification: Regulation (EC) № 1272/ 2008 (CLP) Hazard class, Hazard categories	Classification: 67/548/EEC 1999/45/EC
1	2	3	4	5
Water	231-792-2	> 96	Not classified as hazardous	Not classified as

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Water	7732-18-5				hazardous
Ethanol	<u>200-578-6</u>	≤ 4,0	Flammable liquids, hazard category 2. Acute toxicity (inhalation), hazard category 4.	<b>H 225</b>	<b>F, R 11</b>
Ethanol	64-17-5			<b>H 332</b>	<b>Xn, R 20</b>
Rose oil	<u>290-260-3</u>	< 0,1	Skin corrosion/irritation, hazard category 2 Skin sensitization, hazard category 1 Serious eye damage/eye irritation, hazard category 1 Contains citronellol, geraniol, eugenol. May cause an allergic reaction.	<b>H 315</b>	<b>Xi, R 38</b>
Rose oil	90106-380			<b>H 317</b>	<b>R 43</b>
				<b>H 318</b>	<b>Xi, R 41</b>
				<b>EUH 208</b>	

As the content of hazardous components in the final mixture is under limit values, the product does not have such properties. The product is not classified as a hazardous mixture according to European regulations. See Section 16 for the full text of risk phrases, hazard statements, and precautionary statements, included in this Section.

#### **SECTION 4: First aid measures**

##### **4.1. Description of first aid measures**

- **Inhalation**  
Supply fresh air if product vapors produced by heating are inhaled for prolonged periods of time. Consult a doctor, if necessary.
- **Skin contact**  
Not hazardous to skin.
- **Eye contact**  
Remove immediately using a cotton swab and rinse eyes with plenty of water /for 10 minutes/. Remove contact lenses, if present and easy to do. Continue rinsing. In case of redness, irritation or pain in the eyes, seek emergency medical attention.
- **Ingestion**  
Rinse mouth with water. Do not induce vomiting. Seek medical attention, if larger quantities are ingested. If the patient vomits while lying on the back, place in stable side position and seek medical attention.
- **Need for qualified medical attention (mandatory or recommended)**  
In case of eye contact or ingestion - recommended.

**4.2. Most important symptoms and effects, both acute and delayed** – No other important information available.


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

In case of eye contact or ingestion - it is recommended to seek medical attention.

#### **SECTION 5: Firefighting measures**

##### **5.1. Extinguishing media**

Extinguish using pneumatic-mechanical foam, carbon dioxide, extinguishing powder.

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Do not use a continuous water jet since it may scatter and spread the fire.

**5.2. Special hazards arising from the substance or mixture**

Toxic gases may form during a fire as a result of high temperatures. Therefore, do not inhale fumes in case of fire/explosion. Combustion products - carbon dioxide.

**5.3. Advice for firefighters**

No special precautions necessary.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Wash spillage area thoroughly. Avoid direct eye contact.

**6.2. Environmental precautions**

Do not dispose of the product directly into water basins, drains and sewers, do not contaminate soil. In case of contamination of waters or sewage, please, inform the competent authorities.

**6.3. Methods and material for containment and cleaning up**

Absorb using a hygroscopic material (sand, diatomaceous earth, universal binding substance, sawdust). Contaminated material is to be disposed of as waste in accordance with Section 13. Ensure adequate ventilation.

**6.4. Reference to other sections**

For information on safe handling see Section 7.

For information on personal protection see Section 8.

For information on disposal see Section 13.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

- Do not smoke when handling.
- Avoid direct eye contact.
- Use protective glasses when pouring.
- Ensure good ventilation in the working area.
- Keep away from food, drink, and feed.
- Do not spill on the floor.
- Work with approved electric equipment.
- Change work clothes, if contaminated.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in tightly closed original containers (suitable - container made from special coated steel, glass or plastic), in dry and clean warehouses at temperatures no higher than 35 °C, and no less than 5 °C, away from strong odors, heat sources, and direct sunlight. These conditions guarantee that the product will not expire within the designated period.


**7.3. Specific end use(s)**

The uses of rose water have been identified in Section 1.2.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

No Threshold Limit Values (TLVs) of product compounds defined for the air in the working area.

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## 8.2. Exposure controls

### ➤ Respiratory protection

No special protective measures are required. Use suitable masks only in the presence of aerosol. Go out into fresh air.

### ➤ Hand protection

No special protective measures are required.

### ➤ Eye protection

No special protective measures are required.

### ➤ Skin and body protection

Wear protective clothing and hat which are to be changed at the end of the shift. Go through a toilet/WC and bathroom in order to maintain personal hygiene.

### ➤ General precautions and hygiene measures

- Keep away from food, drink, and feed.
- Wash hands before and after handling.
- Avoid eye contact.
- Do not eat, drink or smoke when handling.
- Immediately change contaminated clothes.

## **SECTION 9: Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

Appearance - transparent or opalescent liquid easily-moving liquid

Color of the substance/preparation - colorless

Odor - characteristic of the oil-yielding rose

Relative density  $d_{20}^{20}$  – from 0,950 to 1,000

Rose oil content, % of the total mass - from 0,02 to 0,1

Ethanol content, % - from 2,0 to 4,0

Vapour pressure – No data available

Flash point - No data available

Explosive properties – not classified as explosive

Solubility in water – soluble

Solubility in oils – insoluble

### **9.2. Other information**

Heavy metal content, mg/kg product, no more than:


- lead – 20;
- arsenic – 5;
- cadmium – 2
- mercury – 1.

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

Not chemically reactive under the specified handling and storage conditions.

### **10.2. Chemical stability**

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Rose water is a chemically stable product under the specified handling and storage conditions and periods.

**10.3. Possibility of hazardous reactions**

No known hazardous reactions.

**10.4. Conditions to avoid**

When handling the product avoid heating sealed containers (temperatures over 80<sup>0</sup>C); direct sunlight; hitting the container, contact with strong oxidizers, acids, and alkaline compounds.

**10.5. Incompatible materials:** None.

**10.6. Hazardous decomposition products**

None if the product is used and stored as intended.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

No toxicological testing performed. The main toxicological information is based on toxicological data for the components.

- Acute toxicity - published data indicates practically no toxicity.
- Eye/skin irritability - does not cause irritation to skin or eyes.
- Sensitization - the product contains citronellol, geraniol, eugenol - compounds which cause allergic reactions by skin contact but in concentrations which are not expected to have such an effect.
- Inhalation hazard - the product is not hazardous, if inhaled.
- There is no data indicating carcinogenicity, mutagenicity, and reproductive toxicity of the product. With correct storage and usage as an ingredient of externally applied cosmetic products there are no adverse effects on human health or such effects are not known.

**SECTION 12: Ecological information**

The product has not been tested for ecotoxicity. There are no quantitative data regarding the ecological effects of this product. The environmental assessment of the product is based on the data for its components.

**12.1. Toxicity**

In view of the difficulties when using ecotoxicological methods for predicting possible impact on sensitive ecosystem levels, the product must be used for production in a manner which does not allow it to enter the sewer system and soil, and does not pollute bodies of water. Do not let the product enter groundwater, bodies of water or the sewer system.

**12.2. Persistence and degradability**

Biodegradable product.

**12.3. Bioaccumulative potential**


No bioaccumulation.

**12.4. Mobility in soil**

No other significant data available.

**12.5. Results of PBT and vPvB assessments**

Not applicable.

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## 12.6. Other adverse effects

No other significant data available.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

Dispose of according to official waste treatment regulations.

**Product:** Utilize the entire contents of the opened original packaging. Do not dispose of in drains.

**Packaging:** Packaging may be reused after washing with detergent and hot water. Do not use for domestic purposes. Where disposal is necessary, the official local requirements and regulations must be observed.

## **SECTION 14: Transport information**

UN-number: <i>ADR, ADN, IMDG, IATA</i>	<i>None</i>
Transport category: <i>ADR, ADN, IMDG, IATA</i>	<i>None</i>
Packaging group: <i>ADR, ADN, IMDG, IATA</i>	<i>None</i>
Special precautions for users: <i>ADR, ADN, IMDG, IATA</i>	<i>Not applicable</i>
Transport in bulk according to Annex II of MARPOL 73/78 and IBC:	<i>Not applicable</i>

Additional transport information: Non-hazardous according to specifications.

The product is transported in any type of covered vehicle which provides the necessary storage conditions. Not classified as hazardous with regard to transport regulations.

## **SECTION 15: Regulatory information**

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### ➤ **Labeling according to Regulation (EC) № 1272/ 2008 (CLP):**

The product is not classified as a hazardous mixture according to European regulations.

Hazard symbols: none

Hazard phrases: none

Precautionary statements: Although this product is not listed in the current issue of classification sheets, we offer the following precautionary recommendations:


P 233 Keep container tightly closed.

P 235 Keep cool.

#### ➤ **Labeling according to Directives 67/ 548/ EEC and 1999/45/EC:**

Although this product is not listed in the current applicable issue of the classification sheets, we recommend the following safety symbols.

S7/9 Keep container tightly closed and in a well-ventilated place.

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## 15.2. Chemical Safety Assessment of the substance or mixture

No Chemical Safety Assessment performed.

### **SECTION 16: Other information**

#### **Hazard statements and R-phrases for the ingredients:**

H 225 - Highly flammable liquid and vapour

H 332 - Harmful if inhaled

H 315 - Causes skin irritation

H 317 - May cause an allergic skin reaction

H 318 - Causes serious eye damage

EUH 208 - Contains citronellol, geraniol, eugenol. May cause an allergic reaction.

F, R 11 – Highly flammable

Xn, R 20 – Harmful if inhaled

Xi, R 38 – Irritating to skin

Xi, R 41 – Risk of serious damage to eyes

R 43 - May cause sensitisation by skin contact

This safety data sheet has been prepared in accordance with:

- Regulation (EC) № 1907/2006, Regulation (EC) № 1272/2008 (CLP) and Regulation (EC) № 453/2010

- Government Decree № 182/20.08.2010 regarding the Ordinance for the order and manner of classification, packaging, and labeling of chemical substances and mixtures.

The information provided is intended only as a guideline for safe handling, use, processing, storage, transport, and disposal and should not be regarded as a guarantee or specification of quality. This information refers only to the specified substance and cannot be considered valid for mixtures of which it is an ingredient unless stated otherwise. Each user of the product must be acquainted with the information contained in the safety data sheet. The user must be consulted in case of product use for new or unusual purposes. This safety data sheet is issued for the second time.