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MATERIAL SAFETY DATA SHEET

01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name	Rose Otto Oil				
Biological Definition	Rosa Damascena Flower Oil is the volatile oil obtained from the flowers of the Damask Rose, <i>Rosa damascena</i> , <i>Rosaceae</i> blended with natural fractions to replicate the odour profile of Rose Otto Damascena.				
INCI Name	Rosa Damascena Flower Oil and Parfum				
Synonyms & Trade Names	-				
CAS-No	n/a	EC No.	n/a	EINECS No.	n/a

1.2 Relative identified uses of the substance or mixture and uses advised against

1.3 Details of the supplier of the safety data sheet

1.4 Emergency Tel. No.

+ 44 (0) 1260 222 943

02. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

The full text for all hazard statements is displayed in Section 16.

Classification (EC 1272/2008)

Physical hazards:	Not classified.
Health hazards:	Skin irritation, Category 2 (Skin Irrit. 2, H315). Skin sensitisation, Category 1B (Skin Sens. 1B, H317). Serious eye damage, Category 1 (Eye Dam. 1, H318).
Environmental hazards:	Chronic hazard, Category 3 (Aquatic Chronic 3, H412).

2.2 Label Elements

Label in accordance with (EC) No 1272/2008

GHS05



GHS07



Signal Word

Danger.

Contains

Geraniol

Hazard Statements

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H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents in accordance with local, state or national legislation.

Supplementary Precautionary Statements

None.

2.3 Other Hazards

PBT or vPvB according to Annex XIII	The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.
Adverse physio-chemical properties	The mixture does not contain any substances classified as 'Substances of Very High Concern' (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH: http://echa.europa.eu/fr/candidate-list-table
Adverse effects on human health	No additional data available.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

≤ 48.2% Citronellol
CAS-No: 106-22-9 EC No: 203-375-0
Classification (EC 1272/2008): Skin Irrit. 2 - H315
Skin Sens. 1B, H317
Eye Irrit. 2 - H319

≤ 22.9% Geraniol
CAS-No: 106-24-1 EC No: 203-377-1
Classification (EC 1272/2008): Skin Irrit. 2 - H315
Skin Sens. 1 - H317
Eye Dam. 1 - H318

2.5 – 10.0% Nerol
CAS-No: 106-25-2 EC No: 203-378-7
Classification (EC 1272/2008): Skin Irrit. 2 - H315
Skin Sens. 1B, H317
Eye Irrit. 2 - H319

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<p>≤ 10.0% Phenyl Ethyl Alcohol CAS-No: 60-12-8 EC No: 200-456-2 Classification (EC 1272/2008): Acute Tox. 4 - H302 Eye Irrit. 2 - H319</p>
<p>≤ 2.0% Heptadecane CAS-No: 629-78-7 EC No: 211-108-4 Classification (EC 1272/2008): Asp. Tox. 1 - H304</p>
<p>≤ 1.9% alpha- Pinene CAS-No: 80-56-8 EC No: 201-291-9 Classification (EC 1272/2008): Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Asp. Tox. 1 - H304 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410</p>
<p>≤ 1.5% Citral CAS-No: 5392-40-5 EC No: 226-394-6 Classification (EC 1272/2008): Skin Irrit. 2 - H315 Skin Sens. 1, H317</p>
<p>≤ 1.10 Linalool CAS-No: 78-70-6 EC No: 201-134-4 Classification (EC 1272/2008): Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Eye Irrit. 2 - H319</p>
<p>≤ 1.0% Eugenol CAS-No: 97-53-0 EC No: 202-589-1 Classification (EC 1272/2008): Skin Sens. 1B - H317 Eye Irrit. 2 - H319</p>
<p>≤ 0.8% Farnesol CAS-No: 4602-84-0 EC No: 225-004-1 Classification (EC 1272/2008): Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Eye Irrit. 2 - H319</p>
<p>≤ 0.5% d-Limonene CAS-No: 5989-27-5 EC No: 227-813-5 Classification (EC 1272/2008): Flam. Liq. 3 - H226 Asp. Tox. 1 - H304 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410</p>

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≤ 0.3% Methyl Eugenol

CAS-No: 93-15-2

EC No: 202-223-0

Classification (EC 1272/2008): Acute Tox. 4 - H302

Muta. 2 - H341

Carc. 2, H351

04. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Remove from exposure area to fresh air. Get medical advice/attention.
Ingestion	Do not induce vomiting. Ingestion may cause nausea and vomiting. Immediately rinse mouth and provide fresh air. Get medical advice/attention.
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical advice/attention if any discomfort continues.
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical advice/attention. Continue to rinse.

4.2 Most important symptoms and effects, both acute and delayed

No additional data available.

4.3 Indication of any immediate medical attention and special treatment needed

No additional data available.

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Extinguish with the following media: carbon dioxide, dry chemical, foam.

Unsuitable extinguishing media: do not use water jet as an extinguisher, as this may scatter and spread fire.

5.2 Special hazards arising from the product

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.

In the event of a fire, the following may be formed: carbon monoxide (CO) & carbon dioxide (CO₂)

5.3 Advice for firefighters

No additional data available.

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker Avoid any contact with the skin and eyes.

For first aid worker First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2 Environmental Precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal. Do not discharge into drains, water courses or

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onto the ground.

6.3 Methods and material for containment and cleaning up.

Cover liquid spill with sand, earth or other non-combustible absorbent material. Sweep up and shovel into suitable containers for disposal. Clean preferably with a detergent, do not use solvents.

6.4 Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling

Requirements relating to storage premises apply to all facilities where the mixture is handled. Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture. Always wash hands after handling. Remove and wash contaminated clothing before re-using. Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

Fire prevention: Prevent access by unauthorised personnel.

Recommended equipment and procedures: For personal protection, see section 8. Observe precautions stated on label and also industrial safety regulations. Avoid eye contact with this mixture at all times.

Prohibited equipment and procedures: No smoking, eating or drinking in areas where the mixture is used.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Always keep in packaging made of an identical material to the original.

7.3 Specific end use(s)

No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits:

ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA	STEL	Ceiling	Definition	Criteria
80-56-8	20 ppm	-	-	SEN A4	-
5392-40-5	5 (IFV)ppm	-	-	Skin: SEN A4	-

Germany

AGW (BAuA – TRGS 900, 21/06/2010)

CAS	VME	VME	Excess	Notes
5989-27-5	-	5ppm 28mg/m ³	-	4(II)

8.2 Exposure controls

Protective Equipment

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Process Conditions	Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.
Engineering Measures	Ensure adequate ventilation, especially in confined areas.
Respiratory Equipment	If ventilation is insufficient, respiratory protection must be worn.
Hand Protection	Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374. Gloves must be selected according to the application and duration of use at the workstation. Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required. Recommended properties: Impervious gloves in accordance with standard EN374
Eye Protection	Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes. Before handling, wear safety goggles with protective sides in accordance with standard EN166. In the event of high danger, protect the face with a face shield. Prescription glasses are not considered as protection. Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours. Provide eyewash stations in facilities where the product is handled constantly.
Other Protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	Avoid inhalation and contact with skin and eyes.
Skin Protection	Avoid skin contact. Wear suitable protective clothing. Suitable type of protective clothing: In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact. In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact. Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.
Environmental Exposure Controls	Avoid discharging into drainage water. Only eliminate by authorised companies.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Clear liquid, colourless to pale yellow.
Colour	Colourless to pale yellow.
Odour	Characteristic
Relative Density	Approx. 0.875 @ 20°C

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Flash Point (°C)	> 81
Refractive Index	Approx. 1.465 @ 20°C
Melting Point (°C)	No additional data available.
Boiling Point (°C)	No additional data available.
Vapour Pressure	No additional data available.
Solubility in Water @20°C	Insoluble in water.
Auto-ignition temperature (°C)	No additional data available.
9.2 Other information	
No additional data available.	

10. STABILITY AND REACTIVITY

10.1 Reactivity	
No additional data available.	
10.2 Chemical stability	
Stable under the recommended handling and storage conditions.	
10.3 Possible hazardous reactions	
No additional data available.	
10.4 Conditions to Avoid	
No additional data available.	
10.5 Incompatible materials	
No additional data available.	
10.6 Hazardous Decomposition Products	
The thermal decomposition may release/form: carbon monoxide (CO) and carbon dioxide (CO ₂)	

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	Not classified.
Skin corrosion / irritation	Causes skin irritation. May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.
Serious eye damage / irritation	Causes serious eye damage. May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days. Serious eye damage is typified by the destruction of cornea, persistent corneal opacity and iritis.
Respiratory or skin sensitisation	May cause an allergic skin reaction.
Germ Cell Mutagenicity	Not classified. However product contains a substance suspected of causing genetic defects.

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Carcinogenicity	Not classified. However product contains a substance suspected of causing cancer.
Reproductive toxicity	Not classified.
STOT-single exposure	Not classified.
STOT-repeated exposure	Not classified.
Aspiration hazard	Not classified.
Photo-toxicity	No additional data available.
Other Information	No additional data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
Harmful to aquatic life with long lasting effects. The product must not be allowed to run into drains or waterways. No aquatic toxicity data available for the substances.
12.2 Persistence & degradability
No additional data available.
12.3 Bioaccumulation Potential
No additional data available.
12.4 Mobility in soil
No additional data available.
12.5 Results of PBT and vPvB Assessment
No additional data available.
12.6 Other adverse effects
Do not allow product to enter streams, sewers or other waterways.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC. <u>Waste treatment methods</u> Do not pour into drains or waterways. <u>Waste:</u> Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals. Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste, do not dispose of waste into the environment. <u>Soiled packaging:</u> Empty container completely. Keep label(s) on container. Give to a certified disposal contractor.

14. TRANSPORT INFORMATION

14.1 UN number

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UN No. Road	Not regulated for transport.
UN No. SEA	Not regulated for transport.
UN No. AIR	Not regulated for transport.
14.2 UN proper shipping name	
Not applicable.	
14.3 Transport hazard class(es)	
Not applicable.	
14.4 Packing group	
Not applicable.	
14.5 Environmental hazards	
Not an environmentally hazardous substance/marine pollutant for transport.	
14.6 Special precautions for user	
See sections 6 – 8.	
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code	
No additional data available.	

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
<p><u>Statutory Instruments</u> The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).</p> <p><u>Guidance Notes</u> Workplace Exposure Limits EH40. CHIP for everyone HSG (108).</p> <p><u>EU Legislation</u> Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. French RD Number: RG84 Ethyl Alcohol 64-17-5</p>	
15.2 Chemical safety assessment	
No additional information available.	

16. OTHER INFORMATION

Hazard and Statements in Full	<p>H226 Flammable liquid and vapour.</p> <p>H302 Harmful if swallowed.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H319 Causes serious eye irritation.</p> <p>H341 Suspected of causing genetic defects.</p>
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	H351 Suspected of causing cancer. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.
Revision Date	7/11/2019
Rev No/Repl, SDS Generated	5

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