



MATERIAL SAFETY DATA SHEET

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

| 1.1 Product Identifier | | | | | |
|---|------------------------|---|-----------|------------|-----------|
| Product Name | | Rose Otto Absolute Oil | | | |
| Biological Definition | | Rosa Damascena Flower Extract is an extract of the flowers of the Damask Rose, <i>Rosa Damascena (L.)</i> , <i>Rosaceae</i> . | | | |
| INCI Name | | Rosa Damascena Flower Extract. | | | |
| Synonyms & Trade Names | | Rosa Damascena Flower Extract. | | | |
| CAS-No | 90106-38-0 / 8007-01-0 | EC No. | 290-260-3 | EINECS No. | 290-260-3 |
| 1.2 Relative identified uses of the substance or mixture and uses advised against | | | | | |
| No additional data available. | | | | | |
| 1.3 Details of the supplier of the safety data sheet | | | | | |
| NTM UK Ltd 69 Bethel St Norwich NR2 1NR United Kingdom | | | | | |
| 1.4 Emergency Tel. No.+ 44 (0)163 61883 | | | | | |

02. HAZARDS IDENTIFICATION

| 2.1 Classification of the substance or mixture | |
|---|---|
| The Full Text for all Hazard Statements is Displayed in Section 16. | |
| Human health The liquid may be irritating to skin. May cause serious eye damage. | |
| Environment May cause long-term adverse effects in the aquatic environment. | |
| Classification (EC 1272/2008) | |
| Physical and Chemical Hazards: | Not classified. |
| Human health: | Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 |
| Environment: | Aquatic Chronic 3 - H412 |
| 2.2 Label Elements | |
| Label in accordance with (EC) No 1272/2008 | |
|   | |
| GHS05 GHS07 | |
| Signal Word | Danger. |
| Contains | Phenethyl alcohol, Farnesol, Citronellol, Geraniol, Eugenol, Linalool, Methyl Eugenol |

| Hazard Statements | |
|-------------------------------------|--|
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H341 | Suspected of causing genetic defects. |
| H351 | Suspected of causing cancer. |
| Precautionary Statements Prevention | |
| P201 | Obtain special instructions before use. |
| P202 | Do not handle until all safety precautions have been read and understood |
| P261 | Avoid breathing dust/fume/gas/vapours/spray. |
| P264 | Wash thoroughly after handling. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P281 | Get medical advice/attention. |
| Precautionary Statements Response | |
| 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. |
| P308 + P313 | If exposed or concerned: Get medical advice / attention. |
| P321 | Specific treatment (see ... on this label). |
| P332 + P313 | If skin irritation occurs: Get medical advice/attention. |
| P333 + P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P362 | Take off contaminated clothing and wash before reuse. |
| P363 | Wash contaminated clothing before reuse. |
| P337 + P313 | If eye irritation persists: Get medical advice / attention. |
| P391 | Collect spillage. |

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

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| > 50% 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 |
| 5 - 10% Citronellol CAS-No.: 106-22-9, EC No.: 203-375-0 Classification (EC 1272/2008) : Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1 - H317 |
| 5 - 10% Geraniol CAS-No.: 106-24-1, EC No.: 203-377-1 Classification (EC 1272/2008) : Skin Irrit. 2 - H315, Eye Dam. 1 - H318, Skin Sens. 1 - H317 |
| 1 - 5% Benzyl Alcohol CAS-No.: 100-51-6, EC No.: 202-859-9 Classification (EC 1272/2008) : Acute Tox. 4 - H302, Acute Tox. 4 - H332 |
| 1 - 5% Nerol CAS-No.: 106-25-2, EC No.: 203-378-7 Classification (EC 1272/2008) : Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1 - H317 |
| 1 - 5% Eugenol Methyl Ether CAS-No.: 93-15-2, EC No 202-223-0 Classification (EC 1272/2008) : Acute Tox. 4 - H302, Muta. 2 - H341, Carc. 2 - H351, |
| 1 - 5% Eugenol CAS-No.: 97-53-0, EC No.: 202-589-1 Classification (EC 1272/2008) : Eye Irrit. 2 - H319, Skin Sens. 1 - H317 |
| 1 - 5% 7-methyl-3-methyleneocta-1,6-diene CAS-No.: 123-35-3, EC No.: 204-622-5 Classification (EC 1272/2008) : Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Asp. Tox. 1 - H304 |
| <1% Linalool CAS-No.: 78-70-6, EC No 201-134-4 Classification (EC 1272/2008) : Acute Tox. 5 - H303, Skin Irrit. 2 - H315, Aquatic Acute 3 - H402 |
| <1% (R)-p-mentha-1,8-diene CAS-No.: 5989-27-5, EC No 227-813-5 Classification (EC 1272/2008) : Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410 |

<1% Citral CAS-No.: 5392-40-5, EC No.: 226-394-6
 Classification (EC 1272/2008) : Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1 - H317

04. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation

Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if any discomfort continues.

Skin Contact

Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if any discomfort continues.

Eye Contact

Remove any contact lenses and open eyelids wide apart. Rinse with water. Continue to rinse for at least 15 minutes and get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: This product is corrosive. Causes skin irritation.

Eye contact: Causes serious eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor: Treat symptomatically.

5. Fire Fighting Measures

5.1 Extinguishing Media

Extinguishing media: Carbon dioxide (CO₂). Powder. Water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the product

No additional data available.

5.3 Advice for firefighters

Special Fire Fighting Procedures - In case of fire: Cool containers exposed to flames with water until well after the fire is out.

Protective equipment for fire-fighters - Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep unnecessary and unprotected personnel away from the spillage. No smoking, sparks, flames or other sources of ignition near spillage. Avoid contact with skin, eyes and clothing. Provide adequate ventilation. For personal protection, see Section 8.ear protective clothing as described in Section 8 of this safety data sheet. Handle the product using protective gloves resistant to the chemicals exposed. Avoid contact with skin and inhalation of its vapours or smoke. Maintain adequate ventilation in the working area after spilling.

6.2 Environmental Precautions


Do not discharge into drains, water courses or onto the ground.

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| 6.3 Methods and material for containment and cleaning up. |
| Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Place in covered containers using non-sparking tools and transport outdoors. Avoid open flames or sources of ignition. Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations. |
| 6.4 Reference to other sections |
| Wear protective clothing as described in Section 8 of this safety data sheet. |

07. HANDLING AND STORAGE

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| 7.1 Precautions for safe handling |
| Do not eat, drink or smoke when using this product. Provide eyewash station and safety shower. Read label before use. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes. Eliminate all sources of ignition. Do not eat, drink or smoke when using this product. |
| 7.2 Conditions for safe storage, including any incompatibilities |
| Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from food and drink. |
| 7.3 Specific end use(s) |
| No additional data available. |

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

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| 8.1 Control parameters | |
| No additional data available. | |
| 8.2 Exposure controls | |
| Process Conditions | Provide eyewash station. |
|  | |
| Engineering Measures | Provide adequate ventilation. |
| Respiratory Equipment | No specific requirements are anticipated under normal conditions of use. |
| Hand Protection | Chemical resistant gloves (PVC). |
| Eye Protection | Wear approved safety goggles. |
| 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 | Wear apron or protective clothing in case of splashes. |
| 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 | Liquid |
| Colour | Dark red to orange. |
| Odour | Characteristic |
| Relative Density @ 20°C | 0.950 - 1.100 |
| Flash Point (°C) | 87 |
| Refractive Index @ 20°C | 1.495 - 1.520 |
| 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 | No additional data available. |
| Auto-ignition temperature (°C) | No additional data available. |
| 9.2 Other information | |
| No additional data available. | |

10. STABILITY AND REACTIVITY

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|--|---|
| 10.1 Reactivity | There are no known reactivity hazards associated with this product. |
| 10.2 Chemical stability | Stable under the recommended handling and storage conditions. |
| 10.3 Possible hazardous reactions | None known. |
| 10.4 Conditions to Avoid | |
| 10.5 Incompatible materials | Avoid strong acids and strong oxidising agents. |
| 10.6 Hazardous Decomposition Products | None known. |

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects

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| Acute Toxicity | ATE inhalation (vapours mg/l) 550.0 |
| Skin corrosion / irritation | No additional data available. |
| Serious eye damage / irritation | No additional data available. |
| Respiratory or skin sensitisation | No additional data available. |
| Germ Cell Mutagenicity | No additional data available. |
| Carcinogenicity | No additional data available. |
| Reproductive toxicity | No additional data available. |
| STOT-single exposure | No additional data available. |
| STOT-repeated exposure | No additional data available. |
| Aspiration hazard | No additional data available. |
| Photo-toxicity | No additional data available. |
| Other Information | No additional data available. |

12.1 ECOLOGICAL INFORMATION

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| 12.1 Toxicity | The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment. |
| 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. Water hazard classification WGK 2 |

13. DISPOSAL CONSIDERATIONS

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| 13.1 Waste treatment methods | Dispose of in compliance with all local and national regulations. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. |
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14.0 TRANSPORT INFORMATION

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| 14.1 UN number | |
| UN No. Road | Not bound by transport regulations. |
| UN No. SEA | Not bound by transport regulations. |
| UN No. AIR | Not bound by transport regulations. |
| 14.2 UN proper shipping name | |
| | Not bound by transport regulations. |
| 14.3 Transport hazard class(es) | |
| | Not bound by transport regulations. |
| 14.4 Packing group | |
| | Not bound by transport regulations. |
| 14.5 Environmental hazards | |
| | Environmentally Hazardous Substance/Marine Pollutant Water hazard classification WGK 2 |
| 14.6 Special precautions for user | |
| | No additional data available. |
| 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code | |
| | No additional data available |

15. REGULATORY INFORMATION

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|-------------|---|
| 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). <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.</p> |
| 15.2 | Chemical safety assessment |
| | No additional information available. |

16. OTHER INFORMATION

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| Hazard and/or Precautionary Statements in Full | <p>H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H341 Suspected of causing genetic defects. 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.</p> |
| Other Information | None. |
| Revision Date | 15/04/2018 |
| Reason for revision | New SDS. |
| Rev No/Repl, SDS Generated | 01 |

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular