



## MATERIAL SAFETY DATA SHEET

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

|  |           |  |           |            |           |
|--|-----------|--|-----------|------------|-----------|
| <b>1.1 Product Identifier</b>  |           |  |           |            |           |
| Product Name   |           | Rose Geranium Essential Oil  |           |            |           |
| Biological Definition  |           | Pelargonium Graveolens Flower Oil is the volatile oil obtained from the flowers of the Geranium, Pelargonium graveolens (L.), Geraniaceae. |           |            |           |
| INCI Name  |           | Pelargonium Graveolens Flower Oil.   |           |            |           |
| Synonyms & Trade Names   |           | Rose Geranium Essential Oil  |           |            |           |
| CAS-No   | 8000-46-2 | EC No.   | 290-140-0 | EINECS No. | 290-140-0 |
| <b>1.2 Relative identified uses of the substance or mixture and uses advised against</b> |           |  |           |            |           |
| No additional data available.  |           |  |           |            |           |
| <b>1.3 Details of the supplier of the safety data sheet</b>                              |           |  |           |            |           |
| NTM UK LTD, 69 Bethel Street, Norwich, Norfolk, United Kingdom NR2 1NR                   |           |  |           |            |           |
| <b>1.4 Emergency Tel. No.</b>  |           | +44(0)1603 610883  |           |            |           |

### .02 HAZARDS IDENTIFICATION

|   |   |
|---|---|
| <b>2.1 Classification of the substance or mixture</b>   |   |
| The Full Text for all Hazard Statements is displayed in Section 16.   |   |
| Classification (EC 1272/2008)   |   |
| Physical and Chemical Hazards: This mixture does not present a physical hazard  |   |
| Human health: Skin irritation, Category 2 (Skin Irrit. 2, H315).  |   |
| Serious eye damage: Category 1 (Eye Dam. 1, H318).  |   |
| Skin sensitisation: Category 1 (Skin Sens. 1, H317).  |   |
| Environment: Harmful to aquatic life with long lasting effects.   |   |
| <b>2.2 Label Elements</b>   |   |
| Label in accordance with (EC) No 1272/2008  |   |
| GHS05   | GHS07   |
|    |  |
| Signal Word   | Danger  |
| Contains  | Geraniol.   |
| <b>Hazard Statements</b>  |   |
| H315 Causes skin irritation.<br>H317 May cause an allergic skin reaction.<br>H318 Causes serious eye damage.<br>H412 Harmful to aquatic life with long lasting effects. |   |

## Precautionary Statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 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/doctor.  
 P501 Dispose of contents in accordance with local, state or national legislation  
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing. And wash it before reuse.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P273 Avoid release to the environment.  
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing. And wash it before reuse.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P273 Avoid release to the environment

## 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   |
| 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:<br><a href="http://echa.europa.eu/fr/candidate-list-table">http://echa.europa.eu/fr/candidate-list-table</a> |
| Adverse effects on human health     | No additional data available.  |

## 3.2 Mixtures

|                               |   |                  |
|-------------------------------|---|------------------|
| <b>Citronellol</b> 39.61%     | CAS-No: 106-22-9  | EC No: 203-375-0 |
| Classification (EC 1272/2008) | Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Eye Irrit. 2 – H319  |                  |
| <b>Geraniol</b> 19.18%        | 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  |                  |
| <b>Linalool</b> 11.0%         | CAS-No: 78-70-6   | EC No: 201-134-4 |
| Classification (EC 1272/2008) | Skin Irrit. 2 - H315  |                  |
| <b>Menthone</b> 4.32%         | CAS-No: 89-80-5   | EC No: 201-941-1 |
| Classification (EC 1272/2008) | Flam. Liq. 3 - H226, Aquatic Chronic 3 - H412   |                  |
| <b>Geranyl Acetate</b> 4.10%  | CAS-No: 105-87-3  | EC No: 203-341-5 |
| Classification (EC 1272/2008) | Skin Irrit. 2 – H315, Skin Sens. 1 – H317, Aquatic Chronic 3 – H412   |                  |
| <b>Terpineol</b> 1.55%        | CAS-No: 8000-41-7   | EC No: 232-268-1 |
| Classification (EC 1272/2008) | Skin Irrit. 2 - H315, Eye Irrit. 2 - H319   |                  |
| <b>Menthol</b> 0.48%          | CAS-No: 89-78-1   | EC No: 201-939-0 |
| Classification (EC 1272/2008) | Skin Irrit. 2 - H315, Eye Irrit. 2 - H319   |                  |
| <b>Limonene</b> 0.2%          | 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  |                  |
| <b>beta – Pinene</b> 0.42%    | CAS-No: 127-91-3  | EC No: 204-872-5 |
| Classification (EC 1272/2008) | Flam. Liq. 3 - H226, Asp. Tox. 1 - H304, Skin Sens. 1 - H317, Skin Irrit. 2 – H315 - Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410 |                  |
| <b>Citral</b> 1.0%            | CAS No: 5392-40-5   | EC No: 226-394-6 |
| Classification (EC 1272/2008) | Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Eye Irrit. 2 – H319  |                  |

|  |                    |                  |
|--|--------------------|------------------|
| <b>alpha – Pinene</b> 0.40%  | CAS No: 80-56-8    | EC No: 201-291-9 |
| Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Sens. 1 - H317, Asp. Tox. 1 - H304, Skin Irrit. 2 – H315, Aquatic Acute 1 - H400, , Aquatic Chronic 1 - H410 |                    |                  |
| <b>1,4-Cineole</b> 0.05%   | CAS No: 470-67-7   | EC No: 207-428-9 |
| Classification (EC 1272/2008) Flam. Liq. 3 - H226  |                    |                  |
| <b>Menthofuran</b> 0.05%   | CAS No: 494-90-6   | EC No: 207-795-5 |
| Classification (EC 1272/2008) Acute Tox. 4 - H302, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319 Aquatic Chronic 2 - H411  |                    |                  |
| <b>Menthyl Acetate</b> 0.05%   | CAS No: 89-48-5    | EC No: 201-911-8 |
| Classification (EC 1272/2008) Aquatic Chronic 2 - H411   |                    |                  |
| <b>Beta Caryophyllene</b> 0.02%  | CAS No:87-44-5     | EC No: 201-746-1 |
| Classification (EC 1272/2008) Asp. Tox. 1 - H304   |                    |                  |
| <b>Pulegone</b> 0.02%  | CAS No: 15932-80-6 | EC No: 240-070-1 |
| Classification (EC 1272/2008) Acute Tox. 4 - H302  |                    |                  |

#### 04. FIRST AID MEASURES

| 4.1          | Description of first aid measures   |
|--------------|---|
| Inhalation   | Remove to source of fresh air. If symptoms persist, seek medical advice   |
| Ingestion    | Do not give the patient anything orally. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Seek medical attention immediately, showing the label   |
| Skin Contact | Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner. Watch out for any remaining product between skin and clothing, watches, shoes, etc. In the event of an allergic reaction, seek medical attention. If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital |
| Eye Contact  | Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open. Regardless of the initial state, refer the patient to an ophthalmologist and show him the label  |
| 4.2          | <b>Most important symptoms and effects, both acute and delayed</b>  |
|              | No additional data available.   |
| 4.3          | <b>Indication of any immediate medical attention and special treatment needed</b>   |
|              | No additional data available  |

#### 05. FIRE-FIGHTING MEASURES

|   |
|---|
| <b>5.1 Extinguishing Media</b>  |
| Extinguishing media: Foam, carbon dioxide or dry powder.<br>In the event of a fire, do not use: water   |
| <b>5.2 Special hazards arising from the product</b>   |
| A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.<br>In the event of a fire, the following may be formed: carbon monoxide (CO) & carbon dioxide (CO <sub>2</sub> ) |
| <b>Advice for firefighters</b>  |
| No additional data available  |


## **06. ACCIDENTAL RELEASE MEASURES**

|            |  |
|------------|--|
| <b>6.1</b> | <b>Personal precautions, protective equipment and emergency procedures</b>   |
|            | Wear protective clothing as described in Section 8 of this safety data sheet.  |
| <b>6.2</b> | <b>Environmental Precautions</b>   |
|            | 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 onto the ground. |
| <b>6.3</b> | <b>Methods and material for containment and cleaning up.</b>   |
|            | Absorb with inert, non-combustible, inorganic absorbent material, sweep up and remove to an approved disposal container. Extinguish all ignition sources. Clean preferably with a detergent, do not use solvents                   |
| <b>6.4</b> | <b>Reference to other sections</b>   |
|            | No additional data available.  |

## **07. HANDLING AND STORAGE**

|            |   |
|------------|---|
| <b>7.1</b> | <b>Precautions for safe handling</b>  |
|            | <p>Always wash hands after handling.<br/>           Remove and wash contaminated clothing before re-using.<br/>           Fire prevention:<br/>           Never inhale this substance.<br/>           Prevent access by unauthorised personnel.<br/>           Recommended equipment and procedures:<br/>           For personal protection, see section 8.<br/>           Observe precautions stated on label and also industrial safety regulations.</p> <p>Prohibited equipment and procedures:<br/>           No smoking, eating or drinking in areas where the substance is used</p> |
| <b>7.2</b> | <b>Conditions for safe storage, including any incompatibilities</b>   |
|            | <p>Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.<br/>           Keep away from heat, sparks and open flame.</p>  |
| <b>7.3</b> | <b>Specific end use(s)</b>  |
|            | No additional data available.   |

## 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

|   |  |
|---|--|
| <b>8.1 Control parameters</b>   |  |
|   | Cas# 80-56-8 TWA 20ppm.  |
| <b>8.2 Exposure controls</b>  |  |
| Protective Equipment  |  |
|  |  |
| Process Conditions  | Safety shower and eye bath.  |
| Engineering Measures  | Provide adequate ventilation.  |
| Respiratory Equipment   | For high concentrations use respiratory equipment  |
| Hand Protection   | <p>Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374</p> <p>Gloves must be selected according to the application and duration of use at the workstation.</p> <p>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.</p> <p>Recommended properties:</p> <ul style="list-style-type: none"> <li>- Impervious gloves in accordance with standard EN374</li> </ul> |
| Eye Protection  | <p>Avoid contact with eyes.</p> <p>Use eye protectors designed to protect against liquid splashes.</p> <p>Before handling, wear safety goggles in accordance with standard EN166</p>   |
| Other Protection  | Wear appropriate clothing to prevent any possibility of skin contact   |
| Hygiene Measures  | 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.  |
| Personal Protection   | Use personal protection according to Directive 89/686/EEC.   |
| Skin Protection   | <p>Work clothing worn by personnel shall be laundered regularly.</p> <p>After contact with the product, all parts of the body that have been soiled must be washed</p>   |
| 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, pale yellow to greenish yellow. |
| Colour  | Pale yellow to greenish yellow.               |
| Odour   | Characteristic                                |
| Relative Density  | Approx. 0.885 @ 20°C                          |
| Flash Point (°C)  | > 86.0  |
| 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. Soluble in alcohol.       |

| 9.2 Other information         |  |
|-------------------------------|--|
| No additional data available. |  |

## 10. STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>10.1 Reactivity</b>                       | No dangerous reactions known  |
| <b>10.2 Chemical stability</b>               | This substance is stable under the recommended handling and storage conditions in section 7             |
| <b>10.3 Possible hazardous reactions</b>     | No additional data available.   |
| <b>10.4 Conditions to Avoid</b>              | Humidity  |
| <b>10.5 Incompatible materials</b>           | Materials to Avoid: Water   |
| <b>10.6 Hazardous Decomposition Products</b> | In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide |

## 11. TOXOLOGICAL INFORMATION

| 11.1 Information on toxicological effects |  |
|---|--|
| Acute Toxicity                            | No additional data available   |
| Skin corrosion/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.<br>May cause an allergic reaction by skin contact  |
| Serious eye damage/ irritation            | 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.<br>Serious eye damage is typified by the destruction of cornea, persistent corneal opacity and iritis |
| Respiratory or skin sensitisation         | No additional data available.  |
| Germ Cell Mutagenicity                    | No additional data available.  |
| Carcinogenicity                           | CAS 5989-27-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans   |
| 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. ECOLOGICAL INFORMATION

|  |   |
|--|---|
| <b>12.1 Toxicity</b>                           | Toxic to aquatic life with long lasting effects.<br>The product must not be allowed to run into drains or waterways |
| <b>12.2 Persistence &amp; degradability</b>    | Degradability: No additional data available.  |
| <b>12.3 Bioaccumulation Potential</b>          | No data available on bioaccumulation.   |
| <b>12.4 Mobility in soil</b>                   | No additional data available.   |
| <b>12.5 Results of PBT and vPvB Assessment</b> | No additional data available.   |
| <b>12.6 Other adverse effects</b>              | No additional data available.   |

## **13. DISPOSAL CONSIDERATIONS**

|  |
|--|
| <b>13.1 Waste treatment methods</b>  |
| <p>Do not pour into drains or waterways.</p> <p>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.</p> <p>Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.</p> <p>Do not contaminate the ground or water with waste, do not dispose of waste into the environment.</p> <p>Soiled packaging: Empty container completely. Keep label(s) on container. Give to a certified disposal contractor.</p> |

## **14. TRANSPORT INFORMATION**

|   |               |
|---|---------------|
| <b>14.1 UN number</b>   |               |
| UN No. Road   | Not regulated |
| UN No. SEA  | Not regulated |
| UN No. AIR  | Not regulated |
| <b>14.2 UN proper shipping name</b>   |               |
| None  |               |
| <b>14.3 Transport hazard class(es)</b>  |               |
| None  |               |
| <b>14.4 Packing group</b>   |               |
| None  |               |
| <b>14.5 Environmental hazards</b>   |               |
| Not regulated   |               |
| <b>14.6 Special precautions for user</b>  |               |
| No additional data available  |               |
| <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code</b> |               |
| No additional data available  |               |

## **15. REGULATORY INFORMATION**

|  |
|--|
| <b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>   |
| <p>Statutory Instruments</p> <p>The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).</p> <p>Guidance Notes</p> <p>Workplace Exposure Limits EH40. CHIP for everyone HSG(108).</p> <p>EU Legislation</p> <p>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> |
| <b>15.2 Chemical safety assessment</b>   |
| No additional information available.   |

## **16. OTHER INFORMATION**



# Abbey Essentials

|  |  |
|--|--|
| Hazard and/or Precautionary Statements in Full | H226 Flammable liquid and vapour.<br>H302 Harmful if swallowed.<br>H304 May be fatal if swallowed and enters airways.<br>H315 Causes skin irritation<br>H317 May cause an allergic skin reaction.<br>H318 Causes serious eye damage.<br>H319<br>Causes serious eye irritation.<br>H400<br>Very toxic to aquatic life.<br>H410<br>Very toxic to aquatic life with long lasting effects.<br>H411<br>Toxic to aquatic life with long lasting effects.<br>H412<br>Harmful to aquatic life with long lasting effects. |
| Other Information                              | None.  |
| Revision Date                                  | 2/05/2018  |

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 use.