



## MATERIAL SAFETY DATA SHEET

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

<b>1.1 Product Identifier</b>					
Product Name		Geranium Essential Oil			
Biological Definition		The volatile oil obtained by the steam distillation of the flowering herb Pelargonium graveolens.			
INCI Name		Pelargonium graveolens flower oil			
Synonyms & Trade Names		Geranium Essential Oil			
CAS-No	90082-51-2 / 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: Not classified.	
Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Eye Dam. 1 - H318	
Environment: Aquatic Chronic 3 - H412	
<b>2.2 Label Elements</b>	
Label in accordance with (EC) No 1272/2008	
 	
<p>GHS07                      GHS05</p>	
Signal Word	Danger
Contains	Geraniol
<b>Hazard Statements</b>	
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

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.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 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.

## Supplementary Precautionary Statements

P264 Wash hands and exposed skin thoroughly after handling.  
 P332+P313 If skin irritation occurs: Get medical advice/attention

## 2.3 Other Hazards

PBT or vPvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	No additional data available.

## 03. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

<b>&lt;38.0% Citronellol</b> 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>&lt;22.0% Geraniol</b> 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>&lt;11.0% Linalool</b> CAS No: 78-70-6 EC No: 201-134-4 Classification (EC 1272/2008) Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Eye Irrit. 2 - H319
<b>4.0 – 10.0% d,l-Isomenthone</b> CAS No: 491-07-6 EC No: 207-727-4 Classification (EC 1272/2008) Skin Irrit. 2 – H315, Skin Sens. 1 – H317
<b>&lt;4.0% Citral</b> CAS No: 5392-40-5 EC No: 226-394-6 Classification (EC 1272/2008) Skin Irrit. 2 - H315, Skin Sens. 1 - H317
<b>2.0 – 5.0% Citronellyl Formate</b> CAS No: 105-85-1 EC No: 203-338-9 Classification (EC 1272/2008) Skin Irrit. 2 – H315, Skin Sens. 1B – H317
<b>&lt;3.0% cis-Rose Oxide</b> CAS No: 3033-23-6 EC No: 221-317-9 Classification (EC 1272/2008) Skin Irrit. 2- H315, Eye Irrit. 2 – H319, Repr. 2 – H361
<b>0.01 – 2.5% Menthone</b> CAS No: 10458-14-7 EC No: 233-944-9 Classification (EC 1272/2008) Skin Irrit. 2 – H315, Skin Sens. 1 - H317
<b>0.01– 2.0% p-menth-1-en-8-ol</b> CAS No: 98-55-5 EC No: 202-680-6 Classification (EC 1272/2008) Skin Irrit. 2 - H315, Eye Irrit. 2 - H319
<b>&lt;1.0% beta-Caryophyllene</b> CAS No: 87-44-5 EC No: 201-746-1 Classification (EC 1272/2008) Asp. Tox. 1- H304
<b>&lt;1.0% Limonene</b> 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

## 04. FIRST AID MEASURES

<b>4.1</b>	<b>Description of first aid measures</b>
Inhalation	Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. Do not induce vomiting.
Skin Contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
Eye Contact	Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.
<b>4.2</b>	<b>Most important symptoms and effects, both acute and delayed</b>
	No additional data available.
<b>4.3</b>	<b>Indication of any immediate medical attention and special treatment needed</b>
	No additional data available.

## 05. FIRE-FIGHTING MEASURES

<b>5.1</b>	<b>Extinguishing Media</b>
	Do not use a direct stream of water to extinguish. Use: Powder. Carbon dioxide (CO <sub>2</sub> ).
<b>5.2</b>	<b>Special hazards arising from the product</b>
	Specific hazards: When heated and in case of fire, toxic vapours/gases may be formed.
<b>5.3</b>	<b>Advice for firefighters</b>
	Protective equipment for fire-fighters: Wear Self-contained breathing apparatus. Wear chemical protective clothing.

## 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>
	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. Avoid sparks, flames, heat and smoking.
<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>
	Avoid spilling, skin and eye contact. Adopt best manual handling considerations when handling, carrying and dispensing.
<b>7.2</b>	<b>Conditions for safe storage, including any incompatibilities</b>
	Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Keep away from heat, sparks and open flame.
<b>7.3</b>	<b>Specific end use(s)</b>
	No additional data available.

## 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>8.1</b>	<b>Control parameters</b>
	Linalool (CAS: 78-70-6) Ingredient Comments : No exposure limits noted for ingredient.
<b>8.2</b>	<b>Exposure controls</b>
Protective Equipment	
Process Conditions	Safety shower and eye bath.
Engineering Measures	Provide adequate ventilation. Respiratory equipment. Self-contained breathing apparatus.
Respiratory Equipment	Protection not required if good ventilation is maintained. Use inhalation protection in poorly ventilated areas.
Hand Protection	Use suitable protective gloves if risk of skin contact.
Eye Protection	Wear approved safety goggles.
Other Protection	Wear rubber apron.
Hygiene Measures	Remove contaminated clothing and wash the skin thoroughly with soap and water after work.
Personal Protection	Use personal protection according to Directive 89/686/EEC.
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

<b>9.1 Information on basic physical and chemical properties</b>	
Appearance	MobileLiquid
Colour	Pale yellow to amber.
Odour	Characteristic - rose like with a minty top note
Relative Density	Approx. 0.8850 @ 20°C
Flash Point (°C)	>64
Refractive Index	Approx. 1.468 @ 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.

<b>9.2 Other information</b>	
No additional data available.	

## 10. STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	No additional data available.
<b>10.2 Chemical stability</b>	Stable under the recommended handling and storage conditions.
<b>10.3 Possible hazardous reactions</b>	No additional data available.
<b>10.4 Conditions to Avoid</b>	Avoid heat, sparks and open flames.
<b>10.5 Incompatible materials</b>	Materials To Avoid: Strong acids, alkali or oxidising agents.
<b>10.6 Hazardous Decomposition Products</b>	In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.

## 11. TOXOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects</b>	
Acute Toxicity	There is no data available on this product. It must be considered and handled and should be dealt with the highest possible caution.
Skin corrosion / irritation	Causes skin irritation.
Serious eye damage / irritation	Causes serious eye damage
Respiratory or skin sensitisation	Skin – May cause an allergic skin reaction.
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.
Photo-toxicity	No additional data available.
Other Information	No additional data available.

## 12. ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	No additional data available.
<b>12.2 Persistence &amp; degradability</b>	Degradability: No additional data available.
<b>12.3 Bioaccumulation Potential</b>	Bioaccumulative potential: 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>
Dispose of in compliance with all local and national regulations.

## 14. TRANSPORT INFORMATION

<b>14.1 UN number</b>	
UN No. Road	None.
UN No. SEA	None.
UN No. AIR	None.
<b>14.2 UN proper shipping name</b>	
None	
<b>14.3 Transport hazard class(es)</b>	
ADR/RID/ADN Class:	Not regulated for transport.
ICAO Class/Division:	Not regulated for transport.
IMDG Class:	Not regulated for transport.
Transport Labels	
None	
<b>14.4 Packing group</b>	
IMDG Packing group	None
ICAO Packing group	None
<b>14.5 Environmental hazards</b>	
None	
<b>14.6 Special precautions for user</b>	
Not Defined	
<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</b>	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>
	<p>Statutory Instruments The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Guidance Notes Workplace Exposure Limits EH40. CHIP for everyone HSG(108). EU Legislation 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</b>	<b>Chemical safety assessment</b>
	No additional information available.

## 16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	<p>H316 Causes mild skin irritation. H315 Causes skin irritation. H226 Flammable liquid and vapour. H302 Harmful if swallowed. H412 Harmful to aquatic life with long lasting effects. H402 Harmful to aquatic life. H304 May be fatal if swallowed and enters airways. H303 May be harmful if swallowed. H317 May cause an allergic skin reaction. H351 Suspected of causing cancer. H341 Suspected of causing genetic defects. H411 Toxic to aquatic life with long lasting effects. H410 Very toxic to aquatic life with long lasting effects. H400nVery toxic to aquatic life.</p>
Other Information	None.
Revision Date	20/17/2017
Reason for revision	Updated New Format SDS.
Rev No/Repl, SDS Generated	

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# Abbey Essentials

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