










MATERIAL SAFETY DATA SHEET

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

1.1 Product Identifier					
Product Name		Neroli Oil Light Oil			
Biological Definition		Obtained from the steam distillation of the flowers of the bitter orange tree, <i>Citrus aurantium L. var. amara L. Rutaceae</i> and then by formulated blending of the oil with other citrus oils, citrus oil derivatives and fractions and other aromatic ingredients to replicate in a general way the profile and odour characteristics of true Neroli Oil (Natural).			
INCI Name		Citrus Aurantium Amara Flower Oil, Parfum			
Synonyms & Trade Names		Neroli Phase Oil.			
CAS-No	68916-04-1 / 72968-50-4 /	EC No.	277-143-2 / -	EINECS No.	277-143-2 / -
1.2 Relative identified uses of the substance or mixture and uses advised against					
No further information available.					
1.3 Details of the supplier of the safety data sheet					
NTM UK LTD, 69 Bethel Street, Norwich, Norfolk, United Kingdom NR2 1NR					
1.4 Emergency Tel. No.			+44(0)1603 610883		

02. HAZARDS 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 and Chemical Hazards: Flam. Liq. 4 - H227 Human health: Skin Irrit. 2 H315 Eye Irrit. 2 - H319. Skin Sens. 1 -H317. Asp. Tox. 1 - H304. Environment: Aquatic Chronic 2 - H411.							
2.2 Label Elements							
Label in accordance with (EC) No 1272/2008							
<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">GHS08</td> <td style="text-align: center;">GHS09</td> <td style="text-align: center;">GHS07</td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> </table>		GHS08	GHS09	GHS07			
GHS08	GHS09	GHS07					
							
Signal Word	Danger						
Contains	Linalyl acetate, Linalool, Limonene, Geranyl acetate, Phenyl ethyl alcohol.						
Hazard Statements							
<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>H411 Toxic to aquatic life with long lasting effects.</p>							

Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces – no smoking.
 P241 Use explosion proof electrical/ventilating/lighting/equipment.
 P262 Do not get in eyes, on skin or on clothing.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/eye protection/face protection.
 P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P303/361/353 If on skin (or hair): remove/take of immediately all contaminated clothing. Rinse skin with water/shower.
 P331 Do NOT induce vomiting.
 P405 Store locked up.
 P501 Dispose of contents/container to ...

Supplementary Precautionary Statements

None

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
20-30% Linalyl Acetate CAS-No: 115-95-7 EC No: 204-116-4 Classification (EC 1272/2008) FL4, SCI3, EHA2
11-21% Linalool CAS-No.: 78-70-6 EC No.: 201-134-4 Classification (EC 1272/2008) FL4, SCI2, AT05, EHA3
9-19% Limonene CAS-No.: 5989-27-5 EC No.: 227-813-5 Classification (EC 1272/2008) AH1, EHC1, FL3, SCI2, SS1
6-10% Geranyl Acetate CAS-No.: 105-87-3 EC No.: 203-341-5 Classification (EC 1272/2008) EHC2, SCI3, EHA2
2-7% Phenyl Ethyl Alcohol CAS-No.: 60-12-8 EC No.: 200-456-2 Classification (EC 1272/2008) ATO5, EDI2A
1.5 – 3.5% Citronellol CAS-No.: 106-22-9 EC No.: 203-375-0 Classification (EC 1272/2008) SCI2, SS1, ATD5, ATO5, EHA2
1-3% Geraniol CAS-No.: 106-24-1 EC No.: 203-377-1 Classification (EC 1272/2008) SCI2, SS1, ATO5, EDI1, EHA2

04. FIRST AID MEASURES

4.1	Description of first aid measures
Inhalation	Move the exposed person to fresh air at once. Seek medical attention if any discomfort continues.
Ingestion	Seek medical assistance immediately. Rinse mouth and drink plenty of water. Keep patient under observation.
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.
4.2	Most important symptoms and effects, both acute and delayed
	Inhalation : Can cause slight headache. Skin contact : Can cause slight skin rash. Eye contact : Can cause bloodshot eyes.
4.3	Indication of any immediate medical attention and special treatment needed
	No additional data available.

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media
Do not use a direct stream of water to extinguish. Use: Powder. Carbon dioxide (CO ₂).
5.2 Special hazards arising from the product
Vapours may form explosive mixture with air – in case of fire, the following can be released: carbon monoxide (CO), carbon dioxide (CO ₂), smoke, soot.
5.3 Advice for firefighters
Protective equipment for fire-fighters: Avoid inhalation of generated fumes or vapours. Use appropriate respiratory equipment. Wear full protective clothing.
Do not allow spillage into drains or waterways.


06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
For non-emergency personnel: In an emergency (i.e. unintentional important release of the product in enclosed space) respiratory protection (Gas filter A, colour code brown: consider the maximum duration of wear) must be worn. Use insulating device for respiratory protection with an independent air supply in circumstances which are unclear – use adequate protection, solvent resistant: security shoes, bodysuit, gloves and protective goggles (see point 8). For emergency responders: As per non-emergency personnel. Emergency procedures: Remove any ignition source and ensure adequate ventilation in working areas following accidental release.
6.2 Environmental Precautions
Do not discharge into drains, water courses or onto the ground.
6.3 Methods and material for containment and cleaning up.
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.
6.4 Reference to other sections
Refer to Section 8 for information on personal protection equipment.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid spilling, skin and eye contact. Adopt best manual handling considerations when handling, carrying and dispensing. Keep away from heat, sparks and open flame. Do not ingest or apply to the skin as such.
7.2 Conditions for safe storage, including any incompatibilities
Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in stainless steel container. Keep away from heat, sparks and open flame. Store separate from strong oxidising agents. Temperature: From 5°C to 20°C
7.3 Specific end use(s)
Use as odour agent – the information of this section is not related to the use of the product in combination with any other material or any other process altering its characteristic.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	
-	
8.2 Exposure controls	
Protective Equipment	
	
Process Conditions	No additional data available.
Engineering Measures	No additional data available.
Respiratory Equipment	Not necessary in adequate local with general ventilation – avoid breathing vapours.
Hand Protection	Use suitable protective gloves if risk of skin contact.
Eye Protection	Protective goggles with built in frame tested to EN166 (should be checked regularly).
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	Protective work clothing solvent resistant (should be checked regularly).
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
Colour	Colourless to yellow
Odour	Characteristic, strong
Relative Density	0.914 - 0.924 @ 20°C
Flash Point (°C)	~71
Refractive Index	1.471 -1.481 @ 20°C
Melting Point (°C)	Not determined.
Boiling Point (°C)	Not determined.
Vapour Pressure	Not determined.
Solubility in Water @20°C	Insoluble in water
Auto-ignition temperature (°C)	Not determined.

9.2 Other information	
No additional data available.	

10. STABILITY AND REACTIVITY

10.1 Reactivity	
Product not reactive if used according to storage and handling conditions and identified uses (see subsection 1.2)	
10.2 Chemical stability	
Stable under the recommended handling and storage conditions.	
10.3 Possible hazardous reactions	
None if used according to storage and handling conditions and identified uses (see subsection 1.2).	
10.4 Conditions to Avoid	
Avoid heat, sparks and open flames.	
10.5 Incompatible materials	
Materials to Avoid: Strong oxidising agents.	
10.6 Hazardous Decomposition Products	
In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and other organic compounds.	

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	This preparation has not been subject to ecotoxicological testing as an entity but has been blended from materials with known ecotoxicological data and hazard classification (RIFM). In view of the difficulty of using current standard ecotoxicological evaluation techniques to predict potential hazards arising from unforeseen potentiation, this preparation should be considered and handled as if it displayed health hazards and treated in consequence with all possible precaution.
Skin corrosion / irritation	Hazard statement: H315 Causes skin irritation.
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.
Photo-toxicity	No additional data available.
Other Information	No additional data available.



12. ECOLOGICAL INFORMATION

12.1 Toxicity	No additional data available.
12.2 Persistence & degradability	No additional data available.
12.3 Bioaccumulation Potential	Toxic to aquatic life with long lasting effects
12.4 Mobility in soil	No additional data available.
12.5 Results of PBT and vPvB Assessment	This product (or all its ingredients) not classified as PBT or vPvb / CMR.
12.6 Other adverse effects	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
The containers used for this product must be completely empty before disposal. Dispose product and /or contaminated packaging in accordance with federal, state and local environmental control regulations – dispose through the waste water is illegal.

14. TRANSPORT INFORMATION

14.1 UN number	
UN No. Road	3082
UN No. SEA	3082
UN No. AIR	3082
14.2 UN proper shipping name	
ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S.	
14.3 Transport hazard class(es)	
ADR/RID/ADN Class:	9 Miscellaneous dangerous substances and articles.
ICAO Class/Division:	9
IMDG Class:	9
Transport Labels	
	
14.4 Packing group	
ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III
14.5 Environmental hazards	
Environmentally Hazardous Substance/Marine Pollutant	
	
14.6 Special precautions for user	
This product contains constituents that are flammable and dangerous for the environment – in case of pouring out, make sure to label new packaging accordingly, reproducing original label with relevant symbols.	
Hazard No. (ADR) 90 Environmentally hazardous substance; miscellaneous dangerous substances.	
Tunnel Restriction Code (E)	
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code	
Tariff Number 330290900	
NCM (Mercosur) 33029019	

15. REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture
	<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>
15.2	Chemical safety assessment
	No additional information available.

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	<p>H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects. P210 Keep away from heat/sparks/open flames/hot surfaces – no smoking. P241 Use explosion proof electrical/ventilating/lighting/equipment. P262 Do not get in eyes, on skin or on clothing. P273 Avoid release to the environment. P280 Wear protective gloves/eye protection/face protection. P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P303/361/353 If on skin (or hair): remove/take of immediately all contaminated clothing. Rinse skin with water/shower. P331 Do NOT induce vomiting. P405 Store locked up. P501 Dispose of contents/container in accordance with applicable regulations.</p>
Other Information	None.
Revision Date	12/10/2018
Reason for revision	Updated New Format SDS.
Rev No/Repl, SDS Generated	02

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