



Essential Oils, Skincare & Aromatherapy Products

SAFETY DATA SHEET

1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME: Neroli (Light) Essential Oil

SUPPLIER: Celtic Tree Oils, Carlingford, Co. Louth, Ireland, A91 D86V

PRODUCT NUMBER: 37

CAS NUMBER: 68916-04-1 / 72968-50-4

EC NUMBER: 277-143-2

INCI: Parfum

IDENTIFIED USES: No additional data available.

BIOLOGICAL DEFINITION: Obtained from the steam distillation of the flowers of the bitter orange tree, *Citrus aurantium L. var. amara L., Rutaceae* and then by formulated blending of the oil with other citrus oils, citrus oil derivatives and fractions and other aromatic ingredients such that the final profile replicates in a general way the profile and odour characteristics of true Neroli Oil (Natural).

2: HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CAS: 68916-04-1 / 72968-50-4

EC: 277-143-2

CLASSIFICATION (EC 1272/2008):

- PHYSICAL HAZARDS: FL4 H227
- HEALTH HAZARDS: Asp: Tox. 1 – AH1 H304
Skin Irrit 2 – SCI2 H315
Skin Sens 1 – SS1 H317
- ENVIRONMENTAL HAZARDS: Aquatic Chronic 2 – EHC2 H411

LABEL ELEMENTS

PICTOGRAM:



SIGNAL WORD:

DANGER

HAZARD STATEMENTS:

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.

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+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
 P303+P361+P353 If on skin (or hair): Remove/ take off immediately all contaminated clothing. Rinse skin with water/ shower.
 P331 Do NOT induce vomiting.
 P405 Store locked up.
 P501 Dispose of contents/ container to

CONTAINS: Linalyl acetate, Linalool, Limonene, Geranyl acetate, Phenyl ethyl alcohol.

3: COMPOSITION/INFORMATION ON INGREDIENTS

20-30% Linalyl Acetate	
CAS NUMBER: 115-95-7	EC NUMBER: 204-116-4
CLASSIFICATION (EC 1272/2008):	FL4, SCI3, EHA2
11-21% Linalool	
CAS NUMBER: 78-70-6	EC NUMBER: 201-134-4
CLASSIFICATION (EC 1272/2008):	FL4, SCI2, AT05, EHA3
9-19% Limonene	
CAS NUMBER: 5989-27-5	EC NUMBER: 227-813-5
CLASSIFICATION (EC 1272/2008):	AH1, EHC1, FL3, SCI2, SS1
6-10% Geranyl Acetate	
CAS NUMBER: 105-87-3	EC NUMBER: 203-341-5
CLASSIFICATION (EC 1272/2008):	EHC2, SCI3, EHA2
2-7% Phenyl Ethyl Alcohol	
CAS NUMBER: 60-12-8	EC NUMBER: 200-456-2
CLASSIFICATION (EC 1272/2008):	AT05, EDI2A
1.5 – 3.5% Citronellol	
CAS NUMBER: 106-22-9	EC NUMBER: 203-375-0
CLASSIFICATION (EC 1272/2008):	SCI2, SS1, ATD5, AT05, EHA2
1-3% Geraniol	
CAS NUMBER: 106-24-1	EC NUMBER: 203-377-1
CLASSIFICATION (EC 1272/2008):	SCI2, SS1, AT05, EDI1, EHA2

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

4: FIRST AID MEASURES

INHALATION:	Remove to fresh air for at least 15 minutes, in case of complaints seek medical attention.
INGESTION:	DO NOT INDUCE VOMITING! Immediately rinse mouth and provide fresh air. Get medical attention immediately.
SKIN CONTACT:	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
EYE CONTACT:	Immediately flush with plenty of pure water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

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.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

- IMMEDIATE MEDICAL ASSISTANCE: See point 4.1.
- IMMEDIATE/ SPECIAL TREATMENT: See point 4.1.
- FIRST AID SPECIFIC MEANS: Eye wash fountain/safety shower should be available in the work area.

5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA RECOMMENDED:	Carbon dioxide (CO ₂). Foam, dry Powder. Large fire: Use water spray or fog – cool containing vessels with water jet in order to prevent pressure build up, auto-ignition or explosion.
UNSUITABLE EXTINGUISHING MEDIA:	Pressurised water jet.
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.
ADVICE FOR FIREFIGHTERS:	
- SPECIAL FIRE FIGHTING PROCEDURES	Avoid inhalation of generated fumes or vapours. Use appropriate respiratory equipment. Do not allow spillage into drains or waterways.
- PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS	Wear full protective clothing.

6: ACCIDENTAL RELEASE MEASURES

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.

ENVIRONMENT PRECAUTIONS: Do not discharge into drains. Keep away from surface and ground water.

CLEANING UP METHODS FOR SPILLAGES: Keep away from heat and use non-combustible absorbing sawdust (sand, specific binder). Refer to point 13 for the appropriate method of waste treatment.

7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: During handling keep original container closed. Avoid contact with skin and eyes. Wear adequate protective gloves and eye/face protection. Avoid any sources of ignition. Avoid exposing to high temperature during processing. Maintain adequate local and general ventilation where product is handled.

OCCUPATIONAL HYGIENE: Do not ingest or apply to the skin as such. No smoking. Remove contaminated clothing. Good personal washing routines should be followed. If at risk of contamination, foods, beverages and other articles of consumption must not be stored or consumed at the work areas.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

- CONTAINER: To be stored in stainless steel drums, preferably under inert atmosphere (nitrogen) with minimum head space, protect from day light.
- CONDITIONS: Store in a dry. Aerated place, away from any heat source and ignition source.
- TEMPERATURE: From 5°C to 20°C

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:

Occupational exposure limit: Not determined.

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:

Suitable gloves tested to EN374 (should be checked regularly) – always use with clean, dry hands.

EYE PROTECTION:

Protective goggles with built in frame tested to EN166 (should be checked regularly).

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:

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 remove via authorised companies.

9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Clear liquid.

COLOUR:

Pale yellow.

ODOUR:

Characteristic – strong neroli note.

RELATIVE DENSITY:

Approx. 0.919 @ 20°C

FLASH POINT (°C):

Approx. 71°C

REFRACTIVE INDEX:

Approx. 1.476 @ 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.

10: STABILITY AND REACTIVITY

REACTIVITY:	Product not reactive with water – product not reactive if used according to storage and handling conditions and identified uses (see subsection 1.2).
CHEMICAL STABILITY:	Product stable if used according to storage and handling conditions and identified uses (see subsection 1.2). Shelf Life: 365 days, as per recommended storage and handling conditions (see point 7).
POSSIBLE HAZARDOUS REACTIONS:	None if used according to storage and handling conditions and identified uses (see subsection 1.2).
CONDITIONS TO AVOID:	Avoid exposure to heat.
INCOMPATIBLE MATERIALS:	Highly oxidising agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide, carbon dioxide and unidentified organic compounds may be formed during combustion.

11: TOXICOLOGICAL INFORMATION

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:	Hazard statement: H317 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.
ASPIRATION HAZARD:	Hazard statement: H304 May be fatal if swallowed and enters airways.
PHOTO-TOXICITY:	No additional data available.
OTHER INFORMATION:	No additional data available.

12: ECOLOGICAL INFORMATION

ECOTOXICITY:

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 the impact on vulnerable parts of the ecosystem, this preparation should be considered and handled as if it displayed potential environmental hazards and treated in consequence with all possible precaution.

PERSISTENCE AND DEGRADABILITY:

Aquatic life: Hazard statement: H411 Toxic to aquatic life with long lasting effects.

BIOACCUMULATIVE POTENTIAL:

Degradability: No data

MOBILITY IN SOIL:

Hazard statement: H411 Toxic to aquatic life with long lasting effects

RESULTS OF PBT AND vPvB ASSESSMENT:

No additional data available.

OTHER ADVERSE EFFECTS:

This product (or all its ingredients) not classified as PBT or vPvB / CMR.

No additional data available

13: DISPOSAL CONSIDERATIONS

DISPOSAL 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

UN No. ROAD: 3082
UN No. SEA: 3082
UN No. AIR: 3082
PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID N.O.S.

TRANSPORT HAZARD CLASS(ES):

- ADR/RID/ADN CLASS: 9 Miscellaneous dangerous substances and articles.
- IMDG CLASS: 9
- ICAO CLASS: 9



PACKING GROUP:

- ADR/RID/ADN PACKING GROUP: III
- IMDG PACKING GROUP: III
- ICAO PACKING GROUP: III

ENVIRONMENTAL HAZARDS: ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT



TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE: Tariff Number 330290900
NCM (Mercosur) 33029019

15: REGULATORY INFORMATION

STATUTORY INSTRUMENTS: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

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.

GUIDANCE: Workplace Exposure Limits EH40. CHIP for everyone HSG (108).

16: OTHER INFORMATION

HAZARD AND/OR PRECAUTIONARY STATEMENTS IN FULL

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 off 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.

Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.
Retest after 6 months.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.