



MATERIAL SAFETY DATA SHEET

NEROLI PHASE OIL

1 Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier

NEROLI PHASE OIL

EC Number 304-454-3

CAS Number 94266-47-4

1.2 Relevant Identified Uses of the Substance or Mixture

Odour agent. Ingredient for industrial manufacturing.

Uses Advised Against Not for personal use in this form or concentration.

1.3 Details of the Supplier of the Safety Data Sheet

G. Baldwin & Co.

173 Walworth Road,

LONDON, ENGLAND. SE17 1RW.

Telephone: +44 (0) 207 703 5550 Fax: +44 (0)207 252 6264

E-mail: info@baldwins.co.uk

Web: www.baldwins.co.uk

1.4. Emergency telephone number

Emergency tel: +44 (0) 207 703 5550
(office hours only)

2 Hazards Identification

2.1 Classification of the Substance or Mixture:

Regulation (EC) No.

1272/2008

Asp. Tox. 1 Aquatic Chronic 2 Skin Irrit. 2 Skin Sens. 1 -

CLP Hazard Categories AH 1 EH C2 SCI 2 SS 1 FL 4

CLP Hazard Statements H304 H411 H315 H317 H227

CLP Hazard Pictograms GHS08 GHS09 GHS07 GHS07 -

2.2 Label Elements:

Hazard Pictograms:

Signal Word DANGER

Hazard Statements:

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H227 Combustible liquid.

Precautionary Phrases:

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/protective clothing/eye protection/face protection.

P301/P310 IF SWALLOWED: Immediately call a POISON CENTRE or Doctor.

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 approved disposal site, in accordance with local regulations.

Additional Information For full text of relevant Hazard Statements and Precautionary

Statements see Section 16.

3 Composition/Information on Ingredients

3.1 Mixture:

Product Identifier NEROLI PHASE OIL

Botanical Origin Bitter orange/petit-grains derivatives (Citrus spp.)

Production Process Co-distillation of bitter orange/petit-grains derivatives (Citrus spp.) with natural identical and aroma chemicals specialities, further submitted to new Short Path Molecular Evaporation Technology to be partially decolourised and defurocoumarinised.

Chemical Identification 62% Natural Complex Substance/38% Natural Identical and Fragrance

& Grade Chemical Substances.

EU Chemical Name Citrus, ext.

EC Number 304-454-3

CAS Number 94266-47-4

3.2 Main Hazardous Constituents and CLP Classification:

NAME % CAS EINECS CLP CLASSIFICATION

Linalyl Acetate 20-30 115-95-7 204-116FL

4, SCI 3, EH A2

4

Linalool 11-21 78-70-6 201-134FL

4, SCI 2, ATO 5, EH A3

4

Limonene 9-19 5989-27227-

813AH

1, EH C1, FL 3, SCI 2, SS 1

5 5

Geranyl Acetate 6-10 105-87-3 203-341EH

C2, SCI 3, EH A2

5

Phenyl Ethyl Alcohol 2-7 60-12-8 200-456ATO

5, EDI 2A

2

Citronellol 1.5-3.5 106-22-9 203-375SCI

2, SS 1, ATD 5, ATO 5, EH A2

0

Geraniol 1-3 106-24-1 203-377SCI

2, SS 1, ATO 5, EDI 1, EH A2

1

3.3 Additional Information

For full text of relevant Hazard Statements see Section 16.

4 First Aid Measures

4.1 Description of First Aid Measures:

Inhalation: Move to fresh air for at least 15 minutes, in case of complaints seek medical attention.

Skin Contact; Remove contaminated clothing and wash the contaminated part with soap and water. Make sure you have eliminated the contamination. In case of complaints seek medical attention.

Eye Contact: Abundant eye-wash for 15 minutes with pure water. Make sure you have eliminated the contamination. In case of complaints seek medical advice.

Ingestion: Immediately get medical assistance. Wash mouth with water and do not induce vomiting.

4.2 Most Important Symptoms and Effects, both Acute and Delayed

Inhalation: Can cause slight headache.

Contact: Can cause bloodshot eyes. Can cause slight skin rash.

Acute and Delayed Effects: No post-disorder effects are reported.

4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

See Section 4.1 for further information.

First Aid Specific Means Eye wash fountain/safety shower should be available in the work area.

5 Fire-fighting Measures

5.1 Extinguishing Media

Small fire: Use CO₂, 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 Media Pressurised water jet.

5.2 Special Hazards

Vapours may form explosive mixture with air. In case of fire the following can be released: Carbon Monoxide (CO), Carbon Dioxide (CO₂), smoke and soot.

5.3 Advice for Firefighters

Standard procedure for chemical fires: spray extinguishing media to base of flames, use adequate protections for respiratory apparatus, avoid vapour inhalation.

6 Accidental Release Measures

6.1 Personal Precautions and Protective Equipment

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 for wear) must be worn. Use insulating device for respiratory protection with an independent air supply in circumstances which are unclear. Use adequate protections solvent resistant: security shoes, bodysuit, gloves and protective goggles (see Section 8).

Emergency Procedures Remove any ignition source and ensure adequate ventilation in working areas following accidental releases.

6.2 Environmental

Precautions - Keep away from drains, surface and ground water.

6.3 Containment and Cleaning Up

Keep away from heat and use non-combustible absorbing sawdust, (sand, specific binder). Refer to Section 13 for the appropriate methods of waste treatment.

6.4 References

Also refer to Sections 4, 8 and 13

7 Handling and Storage

7.1 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.

Hygiene at Work Do not ingest or apply to the skin. 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.

7.2 Safe Handling

To be stored in stainless steel drums, preferably under inert atmosphere (nitrogen) with minimum head space, protected from day light. The container used during transportation must be considered only as a temporary container and it must not be considered in any case adequate for medium or long term warehousing. Store in a dry, aerated place, away from heat and ignition sources. Store between 5°C to 20°C.

7.3 Specific End Uses

Use as odour agent. The information of this section are not related to the use of the product in combination with any other material or any process altering its characteristics.

8 Personal Protection

8.1 Control Parameters

Not applicable.

8.2 Exposure Controls

A good basic standard of occupational hygiene is to be implemented

(see also Section 7).

Engineering Controls Where appropriate, used closed system to transfer and process material. If appropriate, isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant.

Individual

Protection Measures

Eye/Face Protection: Protective goggles with built-in-frame tested to EN166 (should be checked regularly). **Hand Protection:** Suitable gloves tested to EN374 (should be checked regularly). Always use with clean, dry hands. **Skin Protection:** Protective work clothing, solvent resistant (should be checked regularly).

Respiratory

Protection: Not necessary in adequate local with general ventilation. Avoid breathing vapours. **Thermal Hazards:** None.

Environmental

Exposure Controls

The usual precautions in handling chemicals have to be observed.

9 Physical and Chemical Properties

9.1 Information on Basic physical and Chemical Properties:

State Pale yellowish clear liquid.

Odour Citrus, Neroli note.

pH -

Boiling Point °C -

Melting Point °C -

Flash Point (Closed Cup) ~71°C

Flammability -
Vapour Pressure -
Auto-flammability °C -
Explosive Properties -
Oxidising Properties -
Specific Gravity at 20/20°C 0.914 –
0.924
Refractive Index at 20°C -
Optical Rotation at 20°C -
Solubility in Water Insoluble.
Solubility in Oil/Alcohol Soluble.
Solubility in Ethanol Soluble.
Exposure Limits -
Viscosity -
Acid Value mg KOH/g -

9.2 Other Information

See specifications for other physical and/or chemical data.

10 Stability and Reactivity

10.1 Reactivity

Product not reactive with water. Product not reactive if used according to storage and handling conditions and identified uses. (see Subsection 1.2).

10.2 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 Section 7).

10.3 Hazardous Reactions

None if used according to storage and handling conditions and identified uses (see Subsection 1.2).

10.4 Conditions to Avoid

Avoid exposure to heat.

10.5 Incompatible Materials

Avoid highly oxidising agents.

10.6 Hazardous

Decomposition Products

No known hazardous decomposition products under recommended storage and handling conditions. In case of combustion: Carbon Monoxide (CO), Carbon Dioxide (CO₂).

II Toxicological Information

II.1 Information

This preparation has not been subjected to toxicological testing as Toxicological Effects an entity but has been blended from materials with known toxicological data and hazard classification (RIFM). In view of the difficulty of using current standard toxicological evaluation techniques to predict potential hazards arising from unforeseeable potentiation, this preparation should be considered and handled as if it displayed health hazards and treated in consequences with all possible precaution. Skin Corrosion/Irritation: H315 Causes skin irritation.

Skin Sensitisation: H317 May cause an allergic skin reaction. Aspiration Hazard:

H304 May be fatal if swallowed and enters airways.

12 Ecological Information

12.1 Toxicity

This preparation has not been subjected 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.

Aquatic Life:

H411 Toxic to aquatic life with long lasting effects.

12.2 Persistence and Degradability

Not determined.

12.3 Bioaccumulative Potential

H411 Toxic to aquatic life with long lasting effects.

12.4 Mobility in Soil

Not determined.

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

Not determined.

13 Disposal Considerations

13.1 Waste Treatment Methods

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

14 Transport Information

14.1 UN Number

3082

14.2 UN Proper Shipping Name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S.

14.3 Transport Hazard Class(es)

9 Sub-risk 14.4

UN Packing Group

III

14.5 Environmental Hazards

Marine pollutant.

14.6 Special Precautions for User

This product contains constituent flammables and dangerous for the environment. In case of pouring out, make sure to label new package accordingly, reproducing original label with relevant symbols.

14.7 Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

15 Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance

This product (or all its ingredients) is in accordance to applicable relevant EU Community provisions; for other locations verify if may be in use other regional or national regulations for the same.

15.2 Additional Information

See Section 16.

15.3 Chemical Safety Assessment

Not determined.

16 Other Information

16.1 List of Relevant Hazard Statements and Precautionary Statements

H227 Combustible liquid.

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.

P262 Do not get in eyes, on skin or clothing.

P273 Avoid release to the environment.

P280 Wear protective gloves/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a doctor.

P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing.

Rinse skin well with water/shower.

P331 Do not induce vomiting.

P405 Store locked up.

P501 Dispose of contents/container to approved disposal site, in accordance with local regulations.

WARNING/DISCLAIMER:

The information on this SDS is correct to the best of our knowledge, covering the involved product at the date of its publication. They apply to the product as such as per the described specifications. The information is not related to the use of the product in combination with any other material or any other process altering its characteristics. The end user should apply to the existing normative and laws covering the use of the product, the hygiene and security at work. The container used during transportation must be considered only as a temporary container and it must not be considered in any case adequate for medium or long term warehousing. Upon receipt, our product must be stored as soon as possible in compliance with Section 7.2 of this SDS. The information given in this SDS is in accordance with the Reg. (EU) No. 453/2010 Annex I, Reg. (EC) No. 1907/2006 and Reg. (EC) No. 1272/2008.



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