



NHR ORGANIC OILS
24 CHATHAM PLACE, BRIGHTON, BN1 3TN, UK
+44 (0)1273 746505 info@nhrorganicoils.com www.nhrorganicoils.com

Safety Data Sheet

Organic Bitter Orange Essential Oil

(Citrus aurantium)

Printed : 26/04/2024

Model/Rev: : LSI_2023-2-CLP du 26/04/2024

1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifier

ESSENTIAL OIL OF BITTER ORANGE ORGANIC FROM EGYPT

Commercial Name : ESSENTIAL OIL OF BITTER ORANGE ORGANIC
C.A.S Number : 68916-04-1

CAS EINECS number: 72968-50-4
EINECS number: 277-143-2
ELINCS number: /
ECHA attributed number: /

FEMA number: 2823
CoE number: 136
FDA number: 182.20

Botanical name : **Citrus aurantium L. subsp. amara var. pumilia**
INCI name : **CITRUS AURANTIUM AMARA PEEL OIL**
Quality : **100% pure and natural**
REACH : **Exempted because importation < 1t / year / legal entity**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use : Industrial. Reserved for professional use.

1.3. Details of the supplier of the safety data sheet

Company : NHR Organic Oils
24 Chatham Place
Brighton East Sussex BN1 3TN UK
Tel: 0044 01273 746505
Web : www.nhrorganicoils.com
Email: info@nhrorganicoils.com

1.4. Emergency telephone number 0044 01273 746505

2. HAZARD IDENTIFICATION

Material Safety Data Sheet established following the **Regulation (EU) 2020/878**.

2.1. Classification of the substance or mixture

GHS Classification :

(RegulationCLP)

AH1	Aspiration hazard 1
EHA1	Hazardous to the aquatic environment, acute hazard 1
EHC3	Hazardous to the aquatic environment, long-term hazard 3
FL3	Flammable Liquids 3
SC12	Skin corrosion / irritation 2
SS1	Sensitisation skin 1

H226 - Flammable liquid and vapour.
H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H400 - Very toxic to aquatic life.
H412 - Harmful to aquatic life with long lasting effects.

2.2. Label elements

GHS Classification :

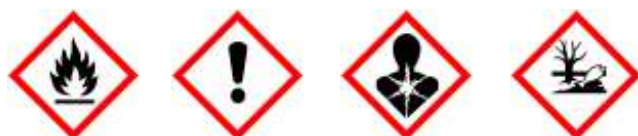
(RegulationCLP)

Warning mention : Danger

AH1	Aspiration hazard 1
EHA1	Hazardous to the aquatic environment, acute hazard 1
EHC3	Hazardous to the aquatic environment, long-term hazard 3
FL3	Flammable Liquids 3
SC12	Skin corrosion / irritation 2
SS1	Sensitisation skin 1

H226 - Flammable liquid and vapour.
H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H400 - Very toxic to aquatic life.
H412 - Harmful to aquatic life with long lasting effects.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P302+P352 - IF ON SKIN: Wash with plenty of water/...
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P332+P313 - If skin irritation 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.
P403+P235 - Store in a well-ventilated place. Keep cool.
P501 - Dispose of contents/container according to applicable legislations



2.3. Other hazards

Contains **d-Limonene, Myrcene**

3. COMPOSITION / INFORMATION ON INGREDIENT

Material Safety Data Sheet established following the **Regulation (EU) 2020/878**.

List of components that need to be reported :

3.1. Substances

d-Limonene 99.00%

CAS# 5989-27-5 / EINECS# 227-813-5

AH1, EHA1, EHC3, FL3, SCI2, SS1B / H304, H400, H412, H226, H315, H317

Myrcene 4.00%

CAS# 123-35-3 / EINECS# 204-622-5

AH1, EDI2, EHA1, EHC2, FL3, SCI2 / H304, H319, H400, H411, H226, H315

3.2. Mixtures

NO CONCERNED

4. FIRST AID MEASURES

4.1. Description of first aid measures

Contact with skin : wash immediately and abundantly with water and soap. Rinse then with clear water.

Contact with eyes : Abundant rinsing with water (15 minutes open eyelids) then washing with an ocular lotion standard Dacryoserum. In case of disorder, consult an ophthalmologist.

In the event of swallowed : Not make vomit, maintain the patient at rest. Resort to the medical care.

Soiled clothing : withdraw soiled clothing and re-use them only after decontamination.

4.2. Most important symptoms and effects, both acute and delayed

No complementary information available.

4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

5. FIRE FIGHTING

5.1. Extinguishing media

Suitable extinguishing media: Dry powder, water with additives.

Unsuitable extinguishing agents: Do not use water (without additives) directly.

5.2. Special hazards arising from the substance or mixture

Fire hazards: The product is flammable.

Hazardous decomposition products in case of fire: Possible release of toxic fumes.

5.3. Advice for firefighters

Fire precautions: Evacuate the area.

Protection in the event of fire: Do not intervene without suitable protective equipment. Autonomous respiratory protection device insulating. Full body protection.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use appropriate personal protective equipment during clean-up.

6.2. Environmental precautions

Do not allow to enter sewers/ surface or ground water.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4. Reference to other sections

NO CONCERNED

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions to safe handling: Ensure a good ventilation of the work area. Keep away from heat, hot surfaces, sparks, open flames and any other source of ignition.

No smoking. Earthing/equipotential bonding of the container and receiving equipment. Not use spark-producing tools. Take precautionary measures against electrostatic discharges. Flammable vapors may accumulate in container. Use explosion-proof equipment. Wear personal protective equipment.

Avoid the contact with skin and eyes. Avoid breathing dust/fumes/gas/mist/vapours/aerosols.

Hygiene measures: Wash contaminated clothing before reuse. Contaminated work clothing should not leave the workplace. Do not eat, drink or smoke while handling this product.

Wash your hands after any handling.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Earthing/equipotential bonding of the container and the receiving equipment.

Storage conditions: Keep in tightly closed container in a cool and dry place, protected from light. Stable at usual storage and use conditions.

7.3. Specific end use(s)

No complementary information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

NO CONCERNED

8.2. Exposure controls

Appropriate technical controls : Ensure good ventilation of the working area.

Hands protection : Wear protective gloves.

Eyes protection : Wear glasses.

Skin and body protection : Wear an appropriate protective clothe.

Respiratory tracts protection : In case of insufficient ventilation, wear an appropriate respiratory equipment.

Environmental exposure control : Avoid release into the environment.

General protective and hygienic measures: Avoid skin and eyes contact. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Odor :	Fresh, orange peel-like
Color :	[Yellow greenish ; Brown]
Texture :	Liquid

9.2. Other information

Main components :	Limonene (90 to 99%)
Flash point (°C) :	[+40 ; +50]
Refractive index at 20°C :	[1.460 ; 1.480]
Relative density at 20°C :	[0.840 ; 0.860]
Angular rotation at 20°C (°) :	[+85 ; +98]

10. STABILITY AND REACTIVITY

10.1. Reactivity

·Dangerous reactions : No dangerous reactions known.

10.2. Chemical stability

NO CONCERNED

10.3. Possibility of hazardous reactions

NO CONCERNED

10.4. Conditions to avoid

NO CONCERNED

10.5. Incompatible materials

NO CONCERNED

10.6. Hazardous decomposition products

Thermal decomposition / conditions to be avoided: Avoid contact with any flame or spark, flame, Overheat. Avoid

Direct rays of the sun. No decomposition if used according to specifications.
Dangerous decomposition products: No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological Information : No data available.

Toxicological Informations Acute :

- **Orale**

Not determined

- **Inhalation**

Not determined

- **Skin**

Not determined

11.2. Information on other hazards

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Do not leave the product, even diluted or in great quantity, penetrate the ground water, water or the drains.

12.2. Persistence and degradability

NO CONCERNED

12.3. Bioaccumulative potential

NO CONCERNED

12.4. Mobility in soil

NO CONCERNED

12.5. Results of PBT and vPvB assessment

NO CONCERNED

12.6. Endocrine disrupting properties

Endocrine disruptors :

On the basis of our knowledge, our analytical historic and in the limit of our GCL detection floor, no endocrine disruptors has been found in this product.

12.7. Other adverse effects

NO CONCERNED

13. DISPOSAL RECOMMENDATIONS

13.1. Waste treatment methods

Product : Recommendation : Does not have to be evacuated with the refuse . Not to let penetrate in the sewers.
Not cleaned packing : Recommendation : Evacuation in accordance with the regulations.

14. TRANSPORT INFORMATION

ADR/ADN/RID:



IMDG:



IATA:



14.1. UN number

ADR/ADN/RID : 1197 (Tunnel code(D/E))

IMDG:1197

IATA :1197

14.2. UN proper shipping name

ADR/ADN/RID : EXTRACTS, LIQUID

IMDG:EXTRACTS, LIQUID

IATA :EXTRACTS, LIQUID

14.3. Transport hazard class(es)

ADR/ADN/RID : 3

IMDG:3

IATA :3

14.4. Packing group

ADR/ADN/RID : III

IMDG:III

IATA :III

14.5. Environmental hazards

IMDG : Marine Pollutant

Marine pollutant(s) : **Limonene**

14.6. Special precautions for user

NO CONCERNED

14.7. Maritime transport in bulk according to IMO instruments

NO CONCERNED

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Class of water contamination (Germany) : WGK (no information available)

15.2. Chemical safety assessment

NO CONCERNED

16. OTHER INFORMATION

Full H sentences text in point 3 :

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Material security data sheet according to Regulation 2020/878.

These indications are founded on the current state of our knowledge, but do not constitute a guarantee as for the properties of the product and do not give place to a contractual legal report.

Modified points : 1.2 12.6