

SECTION 1: Identification of the substance/ mixture and of the Company / undertaking

1.1 Product Identifiers

Product Code : **RM0102**
Product Name : **ORANGE OIL BITTER**
CAS No. (TSCA) : 68916-04-1
EINECS : 277-143-2
Reach Registration number: --
Reach Pre Registration number: --

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

No further relevant information available
Application of the substance / preparation:
Flavour/Fragrance Application

1.3 Manufacturer / Supplier Details:

Ultra International B.V.
Malledijk 3H, 3208 LA Spijkensse, (Loods 12-15) Netherlands
Email: ultra@ultranl.com * www.ultranl.com

1.4 Information in case of emergency:

Mr. Prasenjit Mazumdar
Ph.: +91 9810008844
Email : ultra@ultraintl.com

SECTION 2 : Hazard Identification

2.1 Classification of the substance / preparation

Classification according to Regulation (EC) No. 1272/2008

| | |
|-------------------|---|
| Flam. Liq. 3 | H226: Flammable liquid and vapour |
| Asp. Tox. 1 | H304: May be fatal if swallowed and enters airways |
| Skin Irrit. 2 | H315: Causes skin irritation |
| Skin Sens. 1 | H317: May cause an allergic skin reaction |
| Aquatic Chronic 2 | H411: Toxic to aquatic life with long-lasting effects |

2.2 Label Elements

Labeling according to Regulation (EC) No. 1272/2008

This product is classified and labeled according to the CLP regulation.

GHS Signal Word

DANGER

Hazard Pictograms



GHS07

GHS02

GHS09

GHS08

Hazard Determining components of Labeling

Limonene
alpha Pinene
beta Pinene
Myrcene

Hazard Statements

| | |
|------|---|
| 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 |
| H411 | Toxic to aquatic life with long lasting effects |

Precautionary Statements

| | |
|----------|--|
| P210 | Keep away from heat/sparks/open flames/hot surfaces – No smoking |
| P273 | Avoid release to the environment |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection |
| P301+310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician |
| P302+350 | IF ON SKIN: Gently wash with soap and water |
| P403+233 | Store in a well ventilated place. Keep container tightly closed |
| P501 | Dispose of contents/container to ... (in accordance with local/regional/national/international regulation) |

2.3 Other Hazard

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

SECTION 3: Composition / Information of Ingredients

3.1 Chemical characterisation: Substance

| | |
|--------------------------|--------------------|
| TSCA CAS Number | : 68916-04-1 |
| EINECS CAS Number | : 72968-50-4 |
| Description | : Citrus aurantium |
| EINECS Number | : 277-143-2 |

3.2 Dangerous components:

LIMONENE (CAS No. 5989-27-5) AH 1, EH A1, EH C1, FL 3, SCI 2, SS 1B; H304, H226, H315, H317, H410; Amount-50-100%
ALPHA PINENE (CAS No. 80-56-8); AH 1, ATO 5, FL 3, SCI 2, SS 1B, H304, H303, H226, H315, H317; Amount: max. 1%
BETA PINENE (CAS No. 127-91-3) AH 1, FL 3, SCI 2, SS 1B, H304, H226, H315, H317; Amount: max. 1%
MYRCENE (123-35-3) AH 1, EDI 2A, FL 3, SCI 2-H304, H319, H226, H315; Amount: 1-2.5%

3.3 Additional Informations :

For the wordings of listed H statements refer to section 16

SECTION 4 : First AID Measures

4.1 Description of first aid measures

General information:

If health disorder happens, call for medical help immediately.

Immediately remove any clothing soiled by the product.

After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact: *Immediately wash with water and soap and rinse thoroughly.*

After eye contact: *Rinse opened eye for several minutes under running water.*

After swallowing: *Do not induce vomiting; call for medical help immediately.*

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5 : Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing agents: CO₂, alcohol resistant foam, powder, water spray.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Smoke and soot

Do not use water with full jet to prevent fire spreading.

5.3 Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.

Additional information

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Follow safety measures in chapter 7 and 8.

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

Do not allow to penetrate the ground/soil.

Inform respective authorities in case of seepage into water course or sewage system.

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

6.3 Methods and material for containment and cleaning up:

Wipe up little amounts with absorbent material like cloth or pulp.

Water and cleansing agent

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

Dispose of contaminated material as waste according to item 13.

6.4 Reference to other sections

Keep ignition source away, do not smoke and avoid flames.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling personal protection equipment see point 8.

Information about fire - and explosion protection:

Fumes can combine with air to form an explosive mixture.

Moistened solids (e.g. cloth, pulp, filter panel, binder) has to be stored hermetically sealed and/or watered and proper disposed (see chapter 9 and 13).

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store only in unopened original receptacles.

Provide solvent resistant, sealed floor.

Information about storage in one common storage facility: Store away from oxidising agents.

Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Storage class: 3

Classification according to Betriebsicherheitsverordnung (BetrSichV) Flammable

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

No Data Available

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Use personal protective equipment depending on concentration and amount of hazardous substance.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

Respiratory protection:

Suitable respiratory protection: filter class A2 (brown colour).

Use the rules for application of respiratory protection systems.

Protection of hands:

Preventive skin protection by use of skin-protecting agents is recommended.



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The election of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

> 480 minutes at layerthickness of 0,425 millimeter (Sol-Vex 37-695/Ansell).

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable:

Nitrile rubber, NBR

E.g. following product: Sol-Vex (37-695) from Ansell.

As protection from splashes gloves made of the following materials are suitable: PVC gloves

Eye protection:



Tightly sealed goggles according to EN 166:2001

Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

General Information

| | | |
|-----------------|---|--------------------------------------|
| Form | : | Liquid |
| Colour | : | Yellow green/brown |
| Odour | : | Characteristic of bitter orange peel |
| Odour Threshold | : | N/A |

Change in Condition

| | | |
|-----------------------------------|---|-------------------|
| Melting Point °C | : | -74.3°C |
| Boiling Point °C | : | >35°C |
| Flash Point (Closed Cup) °C | : | 51°C |
| Specific Gravity/Relative Density | : | 0.840-0.855 @20°C |
| Refractive Index | : | 1.470-1.480 @20°C |
| Vapour Density | : | N/A |
| Vapour Pressure | : | 2.3 hPa @20°C |

Solubility:

| | | |
|---------|---|-----------|
| Water | : | Insoluble |
| Alcohol | : | Soluble |

Flammability : N/A

Auto Ignition Temperature : 255°C

Explosive Limits

| | | |
|------------------------|---|----------|
| Lower Explosion Limits | : | 0.7 vol% |
| Upper Explosion Limits | : | 6.1 vol% |

pH value : N/A

Optical Rotation : N/A

Surface Tension : N/A

Partition Coefficient : N/A

Granulometry : N/A

Oxidising Properties : N/A

Viscosity : N/A

SECTION 10: Stability and reactivity

10.1 Reactivity

10.2. Chemical stability

Thermal decomposition / conditions to be avoided:

Heating causes vaporisation and formation of ignitable atmosphere is possible.

10.3 Possibility of hazardous reactions

Formation of explosive gas mixture with air possible.

Product is not selfigniting; but in case of unpropitious storing conditions (air admission, heat accumulation) selfignition is possible for moistened solids (e.g. cloth, pulp, filter panels, binder).

Reacts violently with oxidising agents.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products:

No dangerous decomposition products expected by intended use.

SECTION 11: Toxicological information

11.1 Toxicological Information Acute

| | |
|-------------------|-------------------|
| Oral | No data available |
| Inhalation | No data available |
| Skin | No data available |

11.2 Exposure Limits

Note : There is a blanket recommendation of 10 mg/m³ for inspirable dusts or mists when limits have not otherwise been

SECTION 12: Ecological information

12.1 Toxicity

| | |
|---------------------|-------------------|
| PNEC Oral | No data available |
| EC50 (48hrs) | No data available |
| LC50 (96hrs) | No data available |

12.2 Persistence and degradability

Not Determined

12.3 Mobility in Soil

Not Determined

12.4 Results of PBT and vPvB assessment

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

Product/packaging disposal

Handle in accordance with official provisions

Waste treatment options

Recycling is preferred to disposal or burning

Disposal conditions

Dispose of in accordance with all federal, state and local environmental regulations.

13.2 Recommendations:

Empty contaminated packing thoroughly as they may be recycled

Moistened solids to be dispose-off adhering to necessary technical regulations after consulting concerned authorities

SECTION 14: Transport information

Safety data sheet

according to 1907/2006/EC, Article 31

Version : SDS/2013/03

Print Date : 6/4/2017

Product Name : **ORANGE OIL BITTER**

14.1 Land Transport (ADR/RID/GGVSE)

| | |
|----------------------|---------------------------|
| UN Number | 1169 |
| DG Class | 3 |
| Packing Group | III |
| Proper Shipping Name | Extracts, Aromatic Liquid |
| Classification code | 3Y |

14.2 Sea Transport (IMDG-Code/GGVSE)

| | |
|----------------------|---------------------------|
| UN Number | 1169 |
| DG Class | 3 |
| Packing Group | III |
| Proper Shipping Name | Extracts, Aromatic Liquid |
| Marine Pollutant | Yes |

14.3 Air Transport (ICAO-TI/IATA-DGR)

| | |
|---------------|------|
| UN Number | 1169 |
| DG Class | 3 |
| Packing Group | III |

ADR/IMDG/IATA Labels:



14.4 Special precautions for users:

Wear protective gloves/protective clothing/eye protection/face protection. Take off contaminated clothing and wash before reuse.

Prevent entry into drains, ground/surface water or sewerage system.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

N/A

Other Information

Custom Tariff Code 3301.12.1000

EmS Code F-E, S-E

SECTION 15: Regulatory information

15.1 EU regulations:

The product has been classified and marked in accordance with EU Directives/ Ordinance on Hazardous Materials.

15.2 Water Hazard Class (Germany): **WGK 3**

15.3 Chemical safety Assessment **No data available**

15.4 Other regulations, limitations and prohibitive regulations

| | |
|----------------|-----|
| EPA | No |
| TSCA | Yes |
| DSL | Yes |
| Preposition 65 | No |

Comply with the rules and regulations of skin protection.

SECTION 16: Other information

16.1 Abbreviations used:

| | |
|-----------------|--|
| EC | European Commission |
| EU | European Union |
| DG | Dangerous Goods |
| CAS | Chemical Abstract Service |
| EINECS | European Inventory of Existing Commercial chemical Substances |
| GHS | Globally Harmonized System |
| CMR | Carcinogen, Mutagen, Reprotoxic |
| PNEC | Predicted No Effect Concentration |
| EC50 | Effective Concentration 50 percent |
| LC50 | Lethal Concentration 50 percent |
| PBT | Persistent Bioaccumulative and Toxic |
| vPvB | Very Persistent Very Bioaccumulative |
| EWC | European Waste Catalogue |
| EmS | Emergency Medical Services |
| ADR | Transport of Dangerous Goods by Road |
| RID | International Carriage of Dangerous Goods by Rail |
| GGVSE | German Regulation on the Transport of Dangerous Goods by Road and Rail |
| MDG | International Maritime Dangerous Goods |
| ICAO-TI | International Civil Aviation Organization-Technical Instructions |
| IATA-DGR | International Air Transport Association-Dangerous Goods Regulation |
| WGK | Wassergefährdungsklassen |
| EPA | Environmental Protection Agency |
| TSCA | Toxic Substance Control Act |
| DSL | Dangerous Substance List |

16.2 Labelling in accordance with Directive 67/548/EEC

Symbols



R-Phrases

| | |
|--------|--|
| R10 | Flammable |
| R38 | Irritating to skin |
| R43 | May cause sensitisation by skin contact |
| R65 | Harmful: may cause lung damage if swallowed |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment |

S-Phrases

| | |
|-----|---|
| S24 | Avoid contact with skin |
| S61 | Avoid release to the environment. Refer to special instructions/safety data sheet |
| S62 | If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label where possible |

16.3 Full text of the H-Statement used in Section -3. (follow the link)

http://ec.europa.eu/enterprise/sectors/chemicals/files/ghs/signalwords_hs_ps_en.xls

16.4 Quality Declaration

The information contained herein is based on the present state of our knowledge. It characterizes the product with regards to the appropriate safety precaution.