

Version : SDS/2013/03

Product Name : LIME OIL C.P. BRAZILIAN

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

1.1 Product Identifiers

Product Code : 1097
Product Name : LIME OIL C.P. BRAZILIAN
CAS No. (TSCA) : 8008-26-2
EINECS CAS Number : 90063-52-8
EINECS : 290-010-3
Reach Registration number : N/A

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

No further relevant information available

Application of the substance / preparation:

Fragrance & Flavour Application

1.3 Manufacturer / Supplier Details:

Ultra International B.V.

Malledijk 3H, 3208 LA Spijkensisse, (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

Nationaal Vergiftigingen Informatie Centrum (NVIC) tel. Nr. 030 274 88 88,

“Uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen”.

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 Acute 1	H400: Very toxic to aquatic life
Aquatic Chronic 1	H410: Very 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

Version : SDS/2013/03

Product Name : LIME OIL C.P. BRAZILIAN

Hazard Determining components of Labeling

Limonene
beta Pinene
gamma Terpinene
Citral

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
H400 Very toxic to aquatic life
H410 Very 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/light/.../equipment
P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P273 Avoid release to the environment
P280 Wear protective gloves/protective clothing/eye protection/face protection
P331 Do NOT induce vomiting
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
P405 Store locked up
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 : 8008-26-2
EINECS CAS Number : 90063-52-8
Description : Citrus aurantifolia
EINECS Number : 290-010-3

3.2 Dangerous components:

LIMONENE (5989-27-5) AH 1,EH A1,EH C1,FL 3,SCI 2,SS 1B-H304,H226,H315,H317,H410; Amount: 25-50%
BETA PINENE (127-91-3) AH 1,FL 3,SCI 2,SS 1B-H304,H226,H315,H317; Amount: 10-25%
GAMMA TERPINENE (99-85-4) AH 1,ATO 5(3850),FL 3,SCI 3-H304,H303,H226,H316; Amount: 10-25%
CITRAL (5392-40-5) ATD 5(2250),EDI 2A,EH A2,SCI 2,SS 1B-H313,H319,H315,H317,H401; Amount: 2.5-10%

3.3 Additional Informations :

For the wordings of listed H statements refer to section 16

Version : SDS/2013/03

Product Name : LIME OIL C.P. BRAZILIAN

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.

Version : SDS/2013/03

Product Name : LIME OIL C.P. BRAZILIAN

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 Betriebssicherheitsverordnung (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

Version : SDS/2013/03

Product Name : LIME OIL C.P. BRAZILIAN

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

Version : SDS/2013/03

Product Name : LIME OIL C.P. BRAZILIAN

SECTION 9: Physical and chemical properties

General Information

Form	:	Liquid
Colour	:	Yellow-green/brown
Odour	:	Characteristic
Odour Threshold	:	N/A

Change in Condition

Melting Point °C	:	N/A
Boiling Point °C	:	>35°C
Flash Point (Closed Cup) °C	:	50°C
Specific Gravity/Relative Density	:	0.858-0.870 @20°C
Refractive Index	:	1.472-1.485 @20°C
Vapour Density	:	N/A
Vapour Pressure	:	2.3 hPa @20°C

Solubility:

Water	:	Insoluble
Alcohol	:	Soluble

Flammability : Flammable

Auto Ignition Temperature : 255°C

Explosive Limits

Lower Explosion Limits	:	6.1 vol%
Upper Explosion Limits	:	0.7 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 : Not estimated

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.

Version : SDS/2013/03

Product Name : LIME OIL C.P. BRAZILIAN

SECTION 11: Toxicological information

11.1 Toxicological Information Acute

Oral	Not determined
Inhalation	Not determined
Skin	Not determined

11.2 Exposure Limits Not determined

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	Not determined
EC50 (48hrs)	Not determined
LC50 (96hrs)	Not determined

12.2 Persistence and degradability Not Determined

12.3 Mobility in Soil Not Determined

12.4 Results of PBT and vPvB assessment Not determined

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

14.1 Land Transport (ADR/RID/GGVSE)

UN Number	1993
DG Class	3
Packing Group	III
Proper Shipping Name	Flammable Liquid
Classification code	3Y
Danger Label	N/A



Version : SDS/2013/03

Product Name : LIME OIL C.P. BRAZILIAN

14.2 Sea Transport (IMDG-Code/GGVSE)

UN Number	1993
DG Class	3
Packing Group	III
Proper Shipping Name	Flammable Liquid
Marine Pollutant	Yes
Danger Label	N/A



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

UN Number	1993
DG Class	3
Packing Group	III
Proper Shipping Name	Flammable Liquid
Danger Label	N/A



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.

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

N/A

14.6 Other Information

Custom Tariff Code	3301.19.2000
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	No
DSL	No
Preposition 65	No

Comply with the rules and regulations of skin protection.

Version : SDS/2013/03

Product Name : LIME OIL C.P. BRAZILIAN

SECTION 16: Other information

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

Relevant Phrases

Recommended restriction of use For industrial application only.

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.