

Safety Data Sheet

OLEOBIOTEC® Ruminant



Safety Data Sheet dated 24/3/2014, version 2

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

1.1. Product identifier

Mixture identification:

Trade name:

OLEOBIOTEC® Ruminant

Trade code:

LX185P4LR

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

1.3. Details of the supplier of the safety data sheet

Company:

LABORATOIRES PHODE SAS

Albipôle

81 150 TERSSAC

FRANCE

tél : 33 (0)5 63 77 80 60 (office hours)

Competent person responsible for the safety data sheet:

1.4. Emergency telephone number

tél : 33 (0)5 63 77 80 60 (office hours)

For emergency number in your country, please contact relevant local authorities and see on ECHA (European Chemicals Agency) website:


<http://echa.europa.eu/en/web/guest/support/helpdesks/national-helpdesks/list-of-national-helpdesks>

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:

Properties / Symbols:

 Xi Irritant

 N Dangerous for the environment

R Phrases:

R43 May cause sensitization by skin contact.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Symbols:

 Xi Irritant

 N Dangerous for the environment

R Phrases:

R43 May cause sensitization by skin contact.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S Phrases:

S24 Avoid contact with skin.

LX185P4LR/2

Page n. 1 of 8

LABORATOIRES PHODÉ

Z./J. Albipôle - 81150 TERSSAC FRANCE - T. +33-(0)5 63 77 80 60 - F. +33-(0)5 63 77 80 61

SAS au capital de 1 112 476 € • RCS Albipôle 572 598 • N° TVA FR 49 503 972 598



www.phode.com

Safety Data Sheet

OLEOBIOTEC® Ruminant



S37 Wear suitable gloves.

S56 Dispose of this material and its container to hazardous or special waste collection point.

S57 Use appropriate container to avoid environmental contamination.

S60 This material and its container must be disposed of as hazardous waste.

Contents

Carvacrol

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:

>= 5% - < 15% Carvacrol

CAS: 499-75-2, EC: 207-889-6

Xn,Xi; R22-38-43

⚠ 3.1/4/Oral Acute Tox. 4 H302

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.3/2 Eye Irrit. 2 H319

⚠ 3.4.2/1 Skin Sens. 1 H317

>= 0.5% - < 5% orange oil

CAS: 8028-48-6, EC: 232-433-8

Xn,Xi,N; R10-38-43-65-50/53

⚠ 2.6/3 Flam. Liq. 3 H226

⚠ 3.2/2 Skin Irrit. 2 H315

⚠ 3.4.2/1-1A-1B Skin Sens. 1, 1A, 1B H317

⚠ 3.10/1 Asp. Tox. 1 H304

⚠ 4.1/C1 Aquatic Chronic 1 H410

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

LX185P4LR/2

Page n. 2 of 8

LABORATOIRES PHODÉ

Z.I. Aibipôle - 81150 TERSSAC FRANCE - T. +33-(0)5 63 77 80 60 - F. +33-(0)5 63 77 80 61

SAS au capital de 1 112 476 € • RCS Aibipôle 572 598 • N° TVA FR 49 503 972 598



www.phode.com

Safety Data Sheet

OLEOBIOTEC® Ruminant



None

- 4.3. Indication of any immediate medical attention and special treatment needed
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Treatment:
None

SECTION 5: Firefighting measures

- 5.1. Extinguishing media
Suitable extinguishing media:
Water.
Carbon dioxide (CO₂).
Extinguishing media which must not be used for safety reasons:
None in particular.
- 5.2. Special hazards arising from the substance or mixture
Do not inhale explosion and combustion gases.
Burning produces heavy smoke.
- 5.3. Advice for firefighters
Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
Wear personal protection equipment.
Remove persons to safety.
See protective measures under point 7 and 8.
- 6.2. Environmental precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up
Wash with plenty of water.
- 6.4. Reference to other sections
See also section 8 and 13

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities

LX185P4LR/2
Page n. 3 of 8

LABORATOIRES PHODÉ
Z.I. Albipôle - 81150 TERSSAC FRANCE - T. +33-(0)5 63 77 80 60 - F. +33-(0)5 63 77 80 61

SAS au capital de 1 112 476 € • RCS Albi 502 972 598 • N° TVA FR 49 503 972 598



www.phode.com

Safety Data Sheet

OLEOBIOTEC® Ruminant



Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No occupational exposure limit available

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

8.2. Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance and colour: Fine, orange to yellow Powder

Odour: orange, spices

Odour threshold: N.A.

pH: N.A.

Melting point / freezing point: N.A.

Initial boiling point and boiling range: N.A.

Solid/gas flammability: N.A.

Upper/lower flammability or explosive limits: N.A.

Vapour density: N.A.

Flash point: N.A.

Evaporation rate: N.A.

Vapour pressure: N.A.

Relative density: 0.50 - 0.60

Solubility in water: N.A.

Solubility in oil: N.A.

Partition coefficient (n-octanol/water): N.A.

Auto-ignition temperature: N.A.

Decomposition temperature: N.A.

Viscosity: N.A.

Explosive properties: N.A.

Oxidizing properties: N.A.

9.2. Other information

Miscibility: N.A.

LX185P4LR/2

Page n. 4 of 8

LABORATOIRES PHODÉ

Z.I. Altipôle - 81150 TERSSAC FRANCE - T. +33-(0)5 63 77 80 60 - F. +33-(0)5 63 77 80 61

SAS au capital de 1 112 476 € • RCS Albi 502 972 598 • N° TVA FR 49 503 972 598



www.phode.com

Safety Data Sheet

OLEOBIOTEC® Ruminant



Fat Solubility: N.A.
Conductivity: N.A.
Substance Groups relevant properties N.A.

SECTION 10: Stability and reactivity

- 10.1. Reactivity
Stable under normal conditions
- 10.2. Chemical stability
Stable under normal conditions
- 10.3. Possibility of hazardous reactions
None
- 10.4. Conditions to avoid
Stable under normal conditions.
- 10.5. Incompatible materials
None in particular.
- 10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the mixture:

N.A.

Toxicological information of the main substances found in the mixture:

Carvacrol - CAS: 499-75-2

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 810 mg/kg

orange oil - CAS: 8028-48-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 4400 mg/kg - Notes: Limonene

Test: LD50 - Route: Skin - Species: Rabbit = 5005 mg/kg - Notes: Limonene

Test: LD50 - Route: Oral - Species: Rat = 4950 mg/kg - Notes: Citral

Test: LD50 - Route: Skin - Species: Rabbit = 2250 mg/kg - Notes: Citral

Test: LD50 - Route: Oral - Species: Rat = 2420 mg/kg - Notes: Citronelhal

Test: LD50 - Route: Skin - Species: Rabbit = 2500 mg/kg - Notes: Citronelhal

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

SECTION 12: Ecological information

- 12.1. Toxicity

LX185P4LR/2

Page n. 5 of 8

LABORATOIRES PHODÉ

Z.I. Altipôle - 81150 TERSSAC FRANCE - T. +33-(0)5 63 77 80 60 - F. +33-(0)5 63 77 80 61

SAS au capital de 1 112 476 € • RCS Albi 502 972 598 • N° TVA FR 49 503 972 598



www.phode.com

Safety Data Sheet

OLEOBIOTEC® Ruminant



Adopt good working practices, so that the product is not released into the environment.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
orange oil - CAS: 8028-48-6

a) Aquatic acute toxicity:

Endpoint: LC50 Fish = 0.619-0.796 mg/l - Duration h: 96 - Notes: Pimephales promelas (espèce) Limonene (substance)

Endpoint: LC50 Fish > 35 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss (espèce) limonene (substance)

Endpoint: LC50 Fish > 4.6-10 mg/l - Duration h: 96 - Notes: Citral

Endpoint: EC50 Daphnia = 7 mg/l - Duration h: 48 - Notes: Citral

e) Plant toxicity:

Endpoint: EC50 Algae = 16 mg/l - Duration h: 72 - Notes: Citral

Endpoint: EC50 Algae = 19 mg/l - Duration h: 96 - Notes: Citral

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number

ADR-UN number: 3077

IMDG-Un number: 3077

14.2. UN proper shipping name

ADR-Shipping Name: environmentally hazardous substance, solid, n.o.s (Terpenes)

IMDG-Technical name: environmentally hazardous substance, solid, n.o.s (Terpenes)

14.3. Transport hazard class(es)

ADR-Class: 9

IMDG-Class: 9

14.4. Packing group

ADR-Packing Group: III

IMDG-Packing group: III

14.5. Environmental hazards

Marine pollutant: Marine pollutant

14.6. Special precautions for user

ADR-Tunnel Restriction Code: (E)

IMDG-Technical name: environmentally hazardous substance, solid, n.o.s (Terpenes)

LX185P4LR/2

Page n. 6 of 8

LABORATOIRES PHODÉ

Z.I. Albipôle - 81150 TERSSAC FRANCE - T. +33-(0)5 63 77 80 60 - F. +33-(0)5 63 77 80 61

SAS au capital de 1 112 476 € • RCS Albi 502 972 598 • N° TVA FR 49 503 972 598



www.phode.com

Safety Data Sheet

OLEOBIOTEC® Ruminant



14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
N.A.

SECTION 15: Regulatory information

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

Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances)

Dir. 99/45/EC (Classification, packaging and labelling of dangerous preparations)

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Dir. 2006/8/EC

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP)

Regulation (EU) n. 453/2010 (Annex I)

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

None

Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of phrases referred to in Section 3:

R10 Flammable.

R22 Harmful if swallowed.

R38 Irritating to skin.

R43 May cause sensitization by skin contact.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H410 Very toxic to aquatic life with long lasting effects.

Paragraphs modified from the previous revision:

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

SECTION 3: Composition/information on ingredients

SECTION 9: Physical and chemical properties

SECTION 11: Toxicological information

SECTION 12: Ecological information

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities

LX185P4LR/2

Page n. 7 of 8

LABORATOIRES PHODÉ

Z.I. Altipôle - 81150 TERSSAC FRANCE - T. +33-(0)5 63 77 80 60 - F. +33-(0)5 63 77 80 61



SAS au capital de 1 112 476 € • RCS Albi 502 972 598 • N° TVA FR 49 503 972 598

www.phode.com

Safety Data Sheet

OLEOBIOTEC® Ruminant



SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van

Nostrand Reinold
CCNL - Appendix 1

Insert further consulted bibliography

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.

