



# CHEMICAL SAFETY DATA SHEET

# according to 2020/878/EC (1907/2006/EC Article 31)

2621002

Reviewed on: 21.12.2022 Printing date: 21.12.2022

# SECTION 01: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name:

JAV CITRONELLA UGA ORG OIL FFL

- Article number:
  - B306F
- CAS Number: 8000-29-1
- EC Number:
- 294-954-7
- No CAS EINECS: 91771-61-8
- 1.2 Relevant identified uses of the substance or mixture and uses advised against Application of the substance / the preparation Only for industrial use
- 1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

GOLGEMMA TEL: +33(0)4.68.74.17.89 Route de FA email: fds@golgemma.com

11260 ESPERAZA

**FRANCE** 

1.4 Emergency telephone number: FR-ORFILA (INRS):+33(0)1 45 42 59 59

# SECTION 02: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



GHS05

Eye Dam. 1 - H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 - H315 Causes skin irritation. Skin Sens. 1 - H317 May cause an allergic skin reaction.



GHS09

Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms







GHS05 GHS07

GHS09

Signal word Danger

Hazard statements

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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P264 Wash thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P302+P352 IF ON SKIN: Wash with plenty of water.

P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

#### 2.3 Other hazards

- Results of PBT and vPvB assessment
- PBT:

Not applicable.

- vPvB:
  - Not applicable.
- Determination of endocrine-disrupting properties Substance is not listed.

# SECTION 03: Composition/information on ingredients

## 3.1 Substances

CAS No. Description

8000-29-1 Cymbopogon winterianus Jowitt

- Identification number(s)
- EC number: 294-954-7
- Dangerous components:

<b>CAS Number</b>		%
106-24-1	geraniol	50,001-100
	EC number: 203-377-1	
	Eye Dam. 1 - H318;  \$\frac{1}{V}\$ Skin Irrit. 2	
	- H315, Skin Sens. 1 - H317	
5392-40-5	Citral	20,001-50,00
	EC number: 226-394-6	
	Skin Irrit. 2 - H315, Eye Irrit. 2 -	
	H319, Skin Sens. 1B - H317	
106-23-0	Citronellal	20,001-50,00
	EC number: 203-376-6	
	Skin Irrit. 2 - H315, Eye Irrit. 2 -	
	H319, Skin Sens. 1B - H317	
106-22-9	dl-Citronellol	10,001-20,00
	EC number: 203-375-0	
	Skin Irrit. 2 - H315, Eye Irrit. 2 -	
	H319, Skin Sens. 1B - H317	
105-87-3	Geranyl acetate	5,001-10,00
	EC number: 203-341-5	
	Skin Irrit. 2 - H315, Skin Sens. 1B -	
	H317; Aquatic Chronic 3 - H412	
150-84-5	citronellyl acetate	5,001-10,00
	EC number: 205-775-0	
	🕚 Skin Irrit. 2 - H315; 🌜 Aquatic	
	Chronic 2 - H411	
5989-27-5	d-limonene	1,001- 5,00
	EC number: 227-813-5	
	♦ Asp. Tox. 1 - H304; ♦ Flam. Liq. 3	
	- H226; 💠 Skin Irrit. 2 - H315, Skin	
	Sens. 1B - H317; 🧇 Aquatic Acute 1 -	
	H400; Aquatic Chronic 3 - H412	





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PRODUCT :	JAV CITRONELLA UGA ORG OIL FFL	(a a akin d = f
89-79-2	isopulegol EC number: 201-940-6  Acute Tox. 4 - H302, Skin Irrit. 2 -	(continued of page 2 1,001- 5,00
106-25-2	H315, Eye Irrit. 2 - H319  Nerol  EC number: 203-378-7  \$\frac{1}{2}\$ Skin Irrit. 2 - H315, Eye Irrit. 2 -	1,001- 5,00
87-44-5	H319, Skin Sens. 1B - H317 beta-Caryophyllene EC number: 201-746-1  Asp. Tox. 1 - H304; Skin Sens.	1,001- 5,00
97-53-0	1B - H317 Eugenol EC number: 202-589-1   ○ Eye Irrit. 2 - H319, Skin Sens. 1B -	1,001- 5,00
78-70-6	H317 Linalool EC number: 201-134-4	1,001- 5,00
3338-55-4	<ul> <li>Skin Irrit. 2 - H315, Eye Irrit. 2 -</li> <li>H319, Skin Sens. 1B - H317</li> <li>cis-beta-Ocimene</li> <li>EC number: 222-081-3</li> <li>♠ Asp. Tox. 1 - H304;</li> <li>♠ Flam. Liq. 3</li> </ul>	1,001- 5,00
4602-84-0	- H226 Farnesol EC number: 225-004-1  Skin Irrit. 2 - H315, Eye Irrit. 2 -	0,101-1,00
13877-91-3	H319, Skin Sens. 1B - H317 3,7-Dimethyl-1,3,6-octatriene EC number: 237-641-2  Asp. Tox. 1 - H304; Flam. Liq. 3 - H226; Skin Irrit. 2 - H315	0,101-1,00
127-91-3	beta-Pinene EC number: 204-872-5 Asp. Tox. 1 - H304; Flam. Liq. 3 - H226; Skin Irrit. 2 - H315, Skin	0,101-1,00
98-55-5	Sens. 1B - H317 p-menth-1-en-8-ol EC number: 202-680-6 Skin Irrit. 2 - H315, Eye Irrit. 2 -	0,101-1,00
586-62-9	H319 Terpinolene EC number: 209-578-0 Asp. Tox. 1 - H304; Skin Sens.	0,101-1,00
470-82-6	1B - H317;	0,101-1,00
	1B - H317	(continued on page 4





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## SECTION 04: First aid measures

- 4.1 Description of first aid measures
- General information:
  - Seek immediate medical advice.
- After inhalation:
  - Supply fresh air and to be sure call for a doctor.
- After skin contact:
  - If skin irritation continues, consult a doctor.
  - Immediately wash with water and soap and rinse thoroughly.

H341, Carc. 2 - H351

- Immediately rinse with water.
- After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:
  - Seek immediate medical advice.
- Information for doctor:
- 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 05: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:
  - CO2, sand, extinguishing powder. Do not use water.
  - Use fire extinguishing methods suitable to surrounding conditions.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture Formation of toxic gases is possible during heating or in case of fire.
- 5.3 Advice for firefighters
- Protective equipment:
- Do not inhale explosion gases or combustion gases.
- Additional information
  - Cool endangered receptacles with water spray.

# SECTION 06: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources.

#### 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

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

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6.3 Methods and material for containment and cleaning up: Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## SECTION 07: Handling and storage

# 7.1 Precautions for safe handling

Keep receptacles tightly sealed.

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Handle with care. Avoid jolting, friction and impact.

• Information about fire - and explosion protection:

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 the original receptacle.

Prevent any seepage into the ground.

Use only receptacles specifically permitted for this substance/ product.

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

Keep container tightly sealed.

Protect from heat and direct sunlight.

Store receptacle in a well ventilated area.

## 7.3 Specific end use(s)

No further relevant information available.

## SECTION 08: Exposure controls/personal protection

# 8.1 Control parameters

- Ingredients with limit values that require monitoring at the workplace: Not required.
- Additional information:

The lists valid during the making were used as basis.

# 8.2 Exposure controls

- Individual protection measures, such as personal protective equipment
- General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Do not inhale dust / smoke / mist.

Avoid contact with the skin.

Avoid contact with the eyes.

Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Use suitable respiratory protective device in case of insufficient ventilation.

# Protection of hands:

Protective gloves

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation (continued on page 6)





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• Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

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

Eye/face protection Safety glasses

SECTION 09: Physical and chemical	l properties		
9.1 Information on basic physical and chen	nical properties		
General Information	• •		
Physical state	Fluid		
Colour:	pale yellow to brown-yellow		
Odour:	herbal		
Odour threshold:	Not determined.		
Boiling point or initial boiling point and boiling range	Not determined.		
Flammability	Not determined.		
Lower and upper explosion limit			
Lower:	Not determined.		
Upper:	Not determined.		
Flash point:	81,0 °C NFT 60-103 CC		
Decomposition temperature:	Not determined.		
рН	Not determined.		
Viscosity:			
Kinematic viscosity	Not determined.		
Dynamic:	Not determined.		
Solubility			
water:	Not determined.		
Partition coefficient n-octanol/water (log value)	Not determined.		
Vapour pressure:	at 25,00 °C 10,0000 mbar		
Density and/or relative density			
Density:	Not determined.		
Relative density	0,8800 0,897 D20/20		
Vapour density	Not determined.		
9.2 Other information	No further relevant information available.		
Appearance:			
Form:	fluid		
Important information on protection of hea	•		
Auto-ignition temperature:	Not determined.		
Explosive properties:	Not determined.		
Solvent content:			
Solids content:	0,00 %		
Change in condition			
Evaporation rate	<= 1,0 (butyl acétate = 1)		
Information with regard to physical hazard	classes		
Explosives	not applicable		
Flammable gases	not applicable		
Aerosols	not applicable		
Oxidising gases	not applicable		
Gases under pressure	not applicable		
	(continued on page 7		





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Flammable liquids	not applicable	
Flammable solids	not applicable	
Self-reactive substances and mixtures	not applicable	
Pyrophoric liquids	not applicable	
Pyrophoric solids	not applicable	
Self-heating substances and mixtures	not applicable	
Substances and mixtures, which emit flammable gases in contact with water	not applicable	
Oxidising liquids	not applicable	
Oxidising solids	not applicable	
Organic peroxides	not applicable	
Corrosive to metals	not applicable	
Desensitised explosives	not applicable	

# SECTION 10: Stability and reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous decomposition products:

Not determined.

# SECTION 11: Toxicological information

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

· Acute toxicity

LD/LC50 values relevant for classification:

ISO LD/LC

8000-29-1 Cymbopogon winterianus Jowitt

Oral, LD50: >=5000 mg/kg (rat)
Dermal, LD50: 4700 mg/kg (Rabbit)
5392-40-5 Citral

5392-40-5 Citral
Oral, LD50: 4960 mg/kg (rat)

106-22-9 dl-Citronellol
Oral, LD50: 3450 mg/kg (rat)

Dermal, LD50: 2650 mg/kg (Rabbit)

105-87-3 Geranyl acetate

Oral, LD50: >4000 mg/kg (rat) (NTP 1987)

5989-27-5 (R)-p-mentha-1,8-diene

Oral, LD50: 4400 mg/kg (rat)

87-44-5 beta-Caryophyllene

Oral, LD50: > 5000 mg/kg (rat) (Hart and Wong 1971)

97-53-0 Eugenol
Oral, LD50: 1930 mg/kg (rat)
78-70-6 Linalool
Oral, LD50: 2790 mg/kg (rat)
Dermal, LD50: 5610 mg/kg (Rabbit)
4602-84-0 Farnesol

Oral, LD50: 20000 mg/kg (rat)

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Dermal, LD50: 15000 mg/kg (rat) 98-55-5 p-menth-1-en-8-ol

Oral, LD50: 4300 mg/kg (rat) 470-82-6 Eucalyptol

Oral, LD50: 3849 mg/kg (mouse) (Jiao Xu, 2014)

methyl eugenol 93-15-2

Oral, LD50: 810 mg/kg (rat) (Beroza and al., 1975)

· Primary irritant effect:

Skin corrosion/irritation

Irritant to skin and mucous membranes.

Causes skin irritation.

Serious eye damage/irritation

Strong irritant with the danger of severe eye injury.

Causes serious eye damage.

Respiratory or skin sensitisation

Sensitization possible through skin contact.

• Germ cell mutagenicity

105-87-3 Geranyl acetate

OECD 471 AMES: NEGATIVE (in vitro) (NTP 1987)

87-44-5 beta-Caryophyllene

OECD 471 AMES: NEGATIVE (in vitro) (Heck and al., 1989)

Linalool

OECD 471 AMES: NEGATIVE (in vitro) (Letizia and al., 2007)

470-82-6 Eucalyptol

OECD 471 AMES: NEGATIVE (in vitro) (Haworth, 1983)

Carcinogenicity

105-87-3 Geranyl acetate

Micronoyau: NEGATIVE (mouse) (in vivo, Shelby 1993)

Linalool

Micronoyau: NEGATIVE (mouse) (in vivo, Letizia and al., 2007)

Micronoyau: NEGATIVE (in vitro) (DiSotto and al., 2011)

Reproductive toxicity

Not determined.

STOT-single exposure

Not determined.

STOT-repeated exposure

Not determined.

Aspiration hazard

Not determined.

Subacute to chronic toxicity:

beta-Caryophyllene

Oral, NOAEL: 700 mg/kg (rat) (90 days Schmitt 2016)

78-70-6 Linalool

Oral, NOAEL: 200 mg/kg (rat) (maternal toxicity, Politano and al.,

11.2 Information on other hazards

Endocrine disrupting properties

Substance is not listed.

# SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Cymbopogon winterianus Jowitt 8000-29-1

CE50/48h: 21,995 mg/l (daphnia) (OECD 202 / EU Method C.2)

ErC50(0-72h): 13 mg/l (algae) (OECD 201) 96h-LC50: 29,173 mg/l (fish) (OECD 203 / EU Method C.1)

5989-27-5 (R)-p-mentha-1,8-diene

LD50: 0,71 mg/l (fish) (OECD 203)

Linalool

LD50: 27,8 mg/l (fish) ((OECD 203) RIFM 1991)

ErC50(0-72h): 156,7 mg/l (algae)

ErC50(0-48h): 59 mg/l (daphnia) ((OECD 202)

93-15-2 methyl eugenol

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CE50/48h: 38 mg/l (daphnia) (Ministry of the Environment of Japan

2018)

ErC50(0-72h): 22 mg/l (algae) (Ministry of the Environment of Japan

2018)

96h-LC50: 14 mg/l (fish) (Ministry of the Environment of Japan 2018)

#### 12.2 Persistence and degradability

No further relevant information available.

Behaviour in environmental systems:

Not determined.

#### 12.3 Bioaccumulative potential

No further relevant information available.

#### 12.4 Mobility in soil

No further relevant information available.

## 12.5 Results of PBT and vPvB assessment

• PBT:

Not applicable.

vPvB:

Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

#### 12.6 Other adverse effects

No further relevant information available.

• Ecotoxical effects:

Not determined.

• Remark:

Toxic for fish

- Additional ecological information:
- · General notes:

Toxic for aquatic organisms

The material is harmful to the environment.

# SECTION 13: Disposal considerations

# 13.1 Waste treatment methods

- Recommendation
- Must be specially treated adhering to official regulations.
- Uncleaned packaging:
- Recommendation:

Disposal must be made according to official regulations.

# SECTION 14: Transport information

14.1 UN number or ID number

 ADR
 UN3082

 IMDG
 UN3082

 IATA
 UN3082

14.2 UN proper shipping name

ADR 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

(CYMBOPOGON WINTERIANUS JOWITT)

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

(CYMBOPOGON WINTERIANUS JOWITT)

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

(CYMBOPOGON WINTERIANUS JOWITT)

14.3 Transport hazard class(es)

ADR

Class 9 (M6) Miscellaneous dangerous substances and articles.

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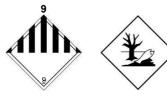


IMDG

Label

Class 9 Miscellaneous dangerous substances and articles.

Label



IATA

Class 9 Miscellaneous dangerous substances and articles.

Label





14.4 Packing group

ADR III
IMDG III
IATA III

14.5 Environmental hazards:

Marine pollutant: Yes

14.6 Special precautions for user

Warning: Miscellaneous dangerous substances and articles.

Danger code (Kemler):

90

**EMS Number:** 

F-A,S-F

 $14.7\ \text{Maritime}$  transport in bulk according to IMO instruments Not applicable.

• Transport/Additional information:

Not applicable.

ADR

Excepted quantities (EQ):E1Limited quantities (LQ)5LTransport category3

**IMDG** 

Limited quantities (LQ) 5L Excepted quantities (EQ) E1

• UN "Model Regulation":

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CYMBOPOGON WINTERIANUS JOWITT), 9, III

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# SECTION 15: Regulatory information

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

- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II Substance is not listed.
- REGULATION (EU) 2019/1148
- Annex I RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

Substance is not listed.

- Annex II REPORTABLE EXPLOSIVES PRECURSORS Substance is not listed.
- Regulation (EC) No 273/2004 on drug precursors Substance is not listed.
- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors Substance is not listed.
- National regulations:
- Waterhazard class: Generally not hazardous for water.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

# SECTION 16: Other information

The information in this safety data sheet is based on the state of our knowledge at the date indicated. The information in this sheet must be regarded as a description of the safety requirements for the product, they are not to be considered a warranty or quality specification and have no contractual value on properties and application areas thereof. The information contained in this safety data sheet relate to the specific material designated and may not be valid with respect to the product associated with another product or process, unless it is specified in the text of this document.

The required information complies with EU regulations in force. It does not exempt the user from knowing and applying all the national regulations in force.

#### Relevant phrases

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

#### · Training hints

Minimum training in occupational risk prevention is recommended for personnel who will handle this product, in the purpose of facilitating the understanding and interpretation of this form of safety data in the same way as the labeling of the product.

# • Abbreviations and acronyms:

IFRA:International Fragrance Association IOFI:International Organization of the Flavor Industry IFRA:International Fragrance Association IOFI:International Organization of the Flavor Industry

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation DOT: US Department of Transportation

IATA: International Air Transport Association IATA: International Air Transport Association

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ICAO: International Civil Aviation Organisation ICAO: International Civil Aviation Organisation

GHS: Globally Harmonised System of Classification and Labelling of Chemicals GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative vPvB: very Persistent and very Bioaccumulative

CE50: effective concentration at 50% ErC50:concentration of test substance which results in a 50 percent reduction in either growth rate (ErC50)relative to the control within 72hrs exposure.

Sources

IFRA/IOFI Labelling Manual, REACH registration dossier, supplier information

• \* Data compared to the previous version altered.