

**Safety Data Sheet**  
**according to Regulation (EC) No. 1907/2006 (REACH)**



**Trade name :** Bio Lampoil Purpel ME  
**Revision date :** 24.09.2018  
**Print date :** 01-10-2018

**Version (Revision) :** 1.0.1 (1.0.0)

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

**1.1 Product identifier**

Bio Lampoil Purple ME (111030)

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

Fuel for oil lamps and torches. Consumer uses: Private households (= general public = consumers)

**Uses advised against**

This product should not be used for purposes other than the applications referred to above.

**1.3 Details of the supplier of the safety data sheet**

**Supplier (manufacturer/importer/only representative/downstream user/distributor)**

Sel Chemie BV

**Street :** Broekstraat 23

**Postal code/city :** 7122 MN Aalten

**Telephone :** +31 (0)543-471956

**Telefax :** +31 (0)543-476600

**Information contact :** Email: MSDS@selchemie.com

**1.4 Emergency telephone number**

Members of the public seeking specific information on poisons should contact: In England and Wales: NHS 111 - dial 111, in Scotland: NHS 24 - dial 111 Ireland +353 (0)1 8092566 or +353 (0)1 8379964 National Poisons Information Centre

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

None

**2.2 Label elements**

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

**Hazard components for labelling**

Fatty Acids, Methylesters ; CAS No. : 308065-15-8

**Precautionary statements**

P102 Keep out of reach of children.

P391 Collect spillage.

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

**2.3 Other hazards**

None

**2.4 Additional information**

Store frost-free. This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**Hazardous ingredients**

None

**Further ingredients**

Fatty Acids, Methylesters ; REACH registration No. : 01-2119491160-46 ; EC No. : 629-776-4; CAS No. : 308065-15-8

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**This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH**

None

**This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH**

None

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

When in doubt or if symptoms are observed, get medical advice.

#### Following inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician in any case!

#### In case of skin contact

Wash immediately with: Water and soap Change contaminated, saturated clothing. Wash contaminated clothing prior to re-use. In case of skin irritation, consult a physician.

#### After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### After ingestion

Call a physician in any case! Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps.

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

No information available.

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

None

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Foam Extinguishing powder Carbon dioxide (CO<sub>2</sub>)

#### Unsuitable extinguishing media

Full water jet

### 5.2 Special hazards arising from the substance or mixture

#### Hazardous combustion products

Hazardous combustion products Carbon monoxide Carbon dioxide (CO<sub>2</sub>)

### 5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

### 5.4 Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

##### Protective equipment

Avoid contact with skin, eyes and clothes. Use personal protection equipment.

##### Emergency procedures

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In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

## 6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Make sure spills can be contained, e.g. in sump pallets or kerbed areas. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

## 6.3 Methods and material for containment and cleaning up

### For containment

Collect in closed and suitable containers for disposal. Treat the recovered material as prescribed in the section on waste disposal.

### For cleaning up

Suitable material for taking up: Sand

## 6.4 Reference to other sections

See protective measures under point 7 and 8.

## SECTION 7: Handling and storage



## 7.1 Precautions for safe handling

### Protective measures

#### Measures to prevent fire

Observe the usage/storage instructions. Avoid contact with eyes. Avoid contact with skin. Keep away from sources of ignition - No smoking.

## 7.2 Conditions for safe storage, including any incompatibilities

### Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place. Suitable container/equipment material: Stainless steel Aluminium

## 7.3 Specific end use(s)

Fuel for oil lamps and torches.

## SECTION 8: Exposure controls/personal protection

## 8.1 Control parameters

### DNEL/DMEL and PNEC values

#### PNEC

Limit value type :	PNEC (Aquatic, freshwater) ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )
Exposure route :	Water
Limit value :	2 mg/l
Limit value type :	PNEC (Aquatic, intermittent release) ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )
Exposure route :	Water
Limit value :	0,00255 mg/l
Limit value type :	PNEC (Aquatic, marine water) ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )
Exposure route :	Water
Limit value :	0,2 mg/l
Limit value type :	PNEC (Sediment, freshwater) ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )
Exposure route :	Sediment
Limit value :	26,6 mg/kg
Limit value type :	PNEC (Sediment, marine water) ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )
Exposure route :	Sediment

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Limit value :	2,66 mg/kg
Limit value type :	PNEC soil, freshwater ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )
Exposure route :	Soil
Limit value :	10 mg/kg
Limit value type :	PNEC (Secondary poisoning) ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )
Exposure route :	Oral
Limit value :	66,6 mg/kg
Limit value type :	PNEC (Sewage treatment plant) ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )
Exposure route :	Water (Including sewage plant)
Limit value :	100 mg/l

## 8.2 Exposure controls

### Appropriate engineering controls

Use only in well-ventilated areas.

### Personal protection equipment



#### Eye/face protection

##### Suitable eye protection

Eye glasses with side protection

#### Skin protection

##### Hand protection



**Suitable gloves type :** The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

**Suitable material :** NBR (Nitrile rubber)

**Required properties :** liquid-tight.

**Remark :** DIN-/EN-Norms DIN EN 420 DIN EN 374

#### Body protection

Protective clothing.

**Remark :** Immediately remove any contaminated clothing, shoes or stockings. Wash contaminated clothing prior to re-use.

#### Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Usually no personal respiratory protection necessary.

### General health and safety measures

Wash hands before breaks and after work.

### Environmental exposure controls

Disposal: see section 13

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance :** liquid

**Colour** green

**Odour** characteristic

#### Safety relevant basis data

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Pourpoint :	approx.	-6 °C
Melting point/melting range :	No data available	
Freezing point :	No data available	
Initial boiling point and boiling range :	( 1013 hPa )	260 - 300 °C
Decomposition temperature :	No data available	
Flash point :	125 - 150 °C	
Ignition temperature :	220 °C	
Lower explosion limit :	No data available	
Upper explosion limit :	No data available	
Vapour pressure :	( 25 °C )	No data available
Evaporation rate (n-butylacetate = 1) :	No data available	
Density :	( 15 °C )	0,87 - 0,877 g/cm <sup>3</sup>
Water solubility :	( 20 °C )	No data available
pH :	No data available	
log P O/W :	No data available	
Cinematic viscosity :	( 40 °C )	2,4 - 2,7 mm <sup>2</sup> /s
Odour threshold :	No data available	
Relative vapour density :	( 20 °C )	No data available
Flammable gases :	No data available.	
Oxidising liquids :	Not oxidising.	
Explosive properties :	Not applicable.	

## 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Oxidizing agent alkali

### 10.2 Chemical stability

Stable under normal conditions of use

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to avoid

Keep away from sources of ignition - No smoking.

### 10.5 Incompatible materials

Strong oxidizers alkali

### 10.6 Hazardous decomposition products

Carbon monoxide Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute effects

##### Acute oral toxicity

Parameter :	LD50 ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )
Exposure route :	Oral
Species :	Rat
Effective dose :	> 2000 Mg/kg bw/day
Method :	OECD 401

##### Acute inhalation toxicity

Parameter :	LC50 ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )
Exposure route :	Inhalation
Species :	Rat

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Effective dose : > 5 mg/l  
Exposure time : 4 h  
Method : OECD 436

## Irritant and corrosive effects

### Primary irritation to the skin

Not an irritant.

### Irritation to eyes

Not an irritant.

### Irritation to respiratory tract

No data available

## CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

### Carcinogenicity

This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP.

### Germ cell mutagenicity

No indications of human germ cell mutagenicity exist.

### Reproductive toxicity

This substance does not meet the criteria for classification as CMR category 1A or 1B according to CLP.

### Adverse effects on developmental toxicity

Parameter : NOAEL(C) ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )  
Species : Rat  
Effective dose : 1000 Mg/kg bw/day  
Test result : Negative.  
Method : OECD 414

### Developmental toxicity/teratogenicity

#### One generation reproduction toxicity test

Parameter : NOAEL(C) ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )  
Species : Rat  
Effective dose : 1000 Mg/kg bw/day  
Test result : Negative.  
Method : OECD 422

## STOT-single exposure

not applicable

## STOT-repeated exposure

not applicable

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

##### Acute (short-term) fish toxicity

Parameter : LC50 ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )  
Species : Oryzias latipes (Ricefish)  
Evaluation parameter : Acute (short-term) fish toxicity  
Effective dose : > 1 mg/l  
Exposure time : 96 h  
Method : OECD 203

##### Acute (short-term) daphnia toxicity

Parameter : EC50 ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )  
Species : Daphnia magna (Big water flea)  
Evaluation parameter : Acute (short-term) daphnia toxicity  
Effective dose : > 100 mg/l

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Exposure time : 7 day  
Method : OECD 211

## Chronic (long-term) daphnia toxicity

Parameter : NOELR ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )  
Species : Daphnia magna (Big water flea)  
Evaluation parameter : Chronic (long-term) daphnia toxicity  
Effective dose : > 100 mg/l  
Exposure time : 21 day  
Method : OECD 211

## Acute (short-term) algae toxicity

Parameter : EL50 ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )  
Species : Pseudokirchneriella subcapitata  
Evaluation parameter : Acute (short-term) algae toxicity  
Effective dose : >= 100 mg/l  
Exposure time : 72 h  
Method : OECD 201

## Bacteria toxicity

Parameter : Bacteria toxicity ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )  
Species : Bacteria toxicity  
Effective dose : >= 1000 mg/l  
Exposure time : 3 h  
Method : OECD 209

## Sediment toxicity

### Toxicity to soil macroorganisms

#### Chronical earthworm toxicity (reproduction)

Parameter : NOEC ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )  
Species : Eisenia foetida  
Evaluation parameter : Chronical earthworm toxicity (reproduction)  
Effective dose : = 1000 mg/kg  
Exposure time : 28 day  
Method : OECD 222

## 12.2 Persistence and degradability

Readily biodegradable (according to OECD criteria).

### Abiotic degradation

#### Abiotic degradation in Air

Parameter : Half-life time ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )  
Species : Photolysis  
Exposure time : 29,2 h

### Biodegradation

Parameter : Biodegradation ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )  
Effective dose : = 78 %  
Exposure time : 28 day  
Evaluation : Biodegradable.  
Method : OECD 301C

## 12.3 Bioaccumulative potential

Parameter : Bioconcentration factor (BCF) ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )  
Concentration : 201 l/kg  
Parameter : Partition coefficient n-octanol /water (log P O/W) ( Fatty Acids, Methylesters ; CAS No. : 308065-15-8 )  
Concentration : 5,41 - 6,41  
No indication of bioaccumulation potential.

## 12.4 Mobility in soil

No information available.

## 12.5 Results of PBT and vPvB assessment

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This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

## 12.6 Other adverse effects

No data available

## 12.7 Additional ecotoxicological information

None

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Contain and dispose of waste according to local regulations. Handle contaminated packages in the same way as the substance itself.

#### Product/Packaging disposal

##### Waste codes/waste designations according to EWC/AVV

Waste code : 15 01 02\* plastic packaging

Waste code : 15 01 10\* packaging containing residues of or contaminated by dangerous substances

Waste code : 13 07 03\* other fuels (including mixtures)

## SECTION 14: Transport information

### 14.1 UN number

No dangerous good in sense of these transport regulations.

### 14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

### 14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

### 14.4 Packing group

No dangerous good in sense of these transport regulations.

### 14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

### 14.6 Special precautions for user

None

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

## SECTION 15: Regulatory information

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

#### EU legislation

##### Other regulations (EU)

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) The product is classified and labelled according to EC directives or corresponding national laws.

#### National regulations

##### Water hazard class (WGK)

slightly hazardous to water (WGK 1)

### 15.2 Chemical safety assessment

For this substance a chemical safety assessment has been carried out.

## SECTION 16: Other information

### 16.1 Indication of changes



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None

### 16.2 Abbreviations and acronyms

a.i. = Active ingredient  
ACGIH = American Conference of Governmental Industrial Hygienists (US)  
ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road  
AFFF = Aqueous Film Forming Foam  
AISE = International Association for Soaps, Detergents and Maintenance Products (joint project of AISE and CEFIC)  
AOAC = AOAC International (formerly Association of Official Analytical Chemists)  
aq. = Aqueous  
ASTM = American Society of Testing and Materials (US)  
atm = Atmosphere(s)  
B.V. = Beperkt Vennootschap (Limited)  
BCF = Bioconcentration Factor  
bp = Boiling point at stated pressure  
bw = Body weight  
ca = (Circa) about  
CAS No = Chemical Abstracts Service Number (see ACS - American Chemical Society)  
CEFIC = European Chemical Industry Council (established 1972)  
CIPAC = Collaborative International Pesticides Analytical Council  
CLP = REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.  
Conc = Concentration  
cP = CentiPoise  
cSt = Centistokes  
d = Day(s)  
DIN = Deutsches Institut für Normung e.V.  
DNEL = Derived No-Effect Level  
DT50 = Time for 50% loss; half-life  
EbC50 = Median effective concentration (biomass, e.g. of algae)  
EC = European Community; European Commission  
EC50 = Median effective concentration  
EINECS = European Inventory of Existing Commercial Chemical Substances (EU, outdated, now replaced by EC Number)  
ELINCS = European List of Notified (New) Chemicals (see Tab 7, Background - Guide)  
ErC50 = Median effective concentration (growth rate, e.g. of algae)  
EU = European Union  
EWC = European Waste Catalogue  
FAO = Food and Agriculture Organization (United Nations)  
GIFAP = Groupement International des Associations Nationales de Fabricants de Produits Agrochimiques (now CropLife International)  
h = Hour(s)  
hPa = HectoPascal (unit of pressure)  
IARC = International Agency for Research on Cancer  
IATA = International Air Transport Association  
IC50 = Concentration that produces 50% inhibition  
IMDG Code = International Maritime Dangerous Goods Code  
IMO = International Maritime Organization  
ISO = International Organization for Standardization  
IUCLID = International Uniform Chemical Information Database  
IUPAC = International Union of Pure and Applied Chemistry  
kg = Kilogram  
Kow = Distribution coefficient between n-octanol and water  
kPa = KiloPascal (unit of pressure)  
LC50 = Concentration required to kill 50% of test organisms  
LD50 = Dose required to kill 50% of test organisms  
LEL = Lower Explosive Limit/Lower Explosion Limit  
LOAEL = Lowest observed adverse effect level  
mg = Milligram  
min = Minute(s)  
ml = Milliliter  
mmHg = Pressure equivalent to 1 mm of mercury (133.3 Pa)  
mp = Melting point

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MRL = Maximum Residue Limit  
MSDS = Material Safety Data Sheet  
n.o.s. = Not Otherwise Specified  
NIOSH = National Institute for Occupational Safety and Health (US)  
NOAEL = No Observed Adverse Effect Level  
NOEC = No observed effect concentration  
NOEL = No Observable Effect Level  
NOx = Oxides of Nitrogen  
OECD = Organization for Economic Cooperation and Development  
OEL = Occupational Exposure Limits  
Pa = Pascal (unit of pressure)  
PBT = Persistent, Bioaccumulative or Toxic  
pH = -log10 hydrogen ion concentration  
pKa = -log10 acid dissociation constant  
PNEC = Previsible Non Effect Concentration  
POPs = Persistent Organic Pollutants  
ppb = Parts per billion  
PPE = Personal Protection Equipment  
ppm = Parts per million  
ppt = Parts per trillion  
PVC = Polyvinyl Chloride  
QSAR = Quantitative Structure-Activity Relationship  
REACH = Registration, Evaluation and Authorization of CHemicals (EU, see NCP)  
SI = International System of Units  
STEL = Short-Term Exposure Limit  
tech. = Technical grade  
TSCA = Toxic Substances Control Act (US)  
TWA = Time-Weighted Average  
vPvB = Very Persistent and Very Bioaccumulative  
WHO = World Health Organization = OMS  
y = Year(s)

### 16.3 Key literature references and sources for data

None

### 16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

No information available.

### 16.5 Relevant H- and EUH-phrases (Number and full text)

None

### 16.6 Training advice

None

### 16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.