

## FETY DATA SHEET

rding to Regulation (EC) No. 1907/2006 Version 6.10 Revision Date 25.11.2023 Print Date 04.05.2025

GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

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

#### 1.1 Product identifiers

Product name : 1-heptadecanoyl-2-(5Z,8Z,11Z,14Z-

eicosatetraenoyl)-sn-glycero-3-phospho-(1'-

rac-glycerol) (ammonium salt)

Product Number : LM1202 Brand : Avanti

REACH No. :

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

Identified uses : Laboratory chemicals, Manufacture of substances

Uses advised against : For R&D use only. Not for pharmaceutical, household or other

uses.

1.3

## 1.4 Emergency telephone

Emergency Phone # : 000 800 1007 141 (CHEMTREC)

#### **SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Flammable liquids (Category 2), H225 Acute toxicity, Oral (Category 3), H301

Avanti- LM1202 Page 1 of 11

Acute toxicity, Inhalation (Category 3), H331 Acute toxicity, Dermal (Category 3), H311 Specific target organ toxicity - single exposure (Category 1), Eyes, H370

For the full text of the H-Statements mentioned in this Section, see Section 16.

## 2.2 Label elements

## Labelling according Regulation (EC) No 1272/2008

Pictogram

Signal Word	Danger
Hazard Statements H225 H301 + H311 + H331 H370	Highly flammable liquid and vapor. Toxic if swallowed, in contact with skin or if inhaled. Causes damage to organs (Eyes).
Precautionary Statements	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves/ protective clothing.
P301 + P310 + P330	IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth.
P302 + P352 + P312	IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/doctor if you feel unwell.
P304 + P340 + P311	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor.
Supplemental Hazard	none

## Reduced Labeling (<= 125 ml)

Pictogram

Statements

Signal Word	Danger
Hazard Statements H370 H301 + H311 + H331	Causes damage to organs. Toxic if swallowed, in contact with skin or if inhaled.
Precautionary Statements	
P280	Wear protective gloves/ protective clothing.
P301 + P310 + P330	IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth.
P302 + P352 + P312	IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/doctor if you feel unwell.
P304 + P340 + P311	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor.
Supplemental Hazard Statements	none

Avanti- LM1202 Page 2 of 11

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## **Ecological information:**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### Toxicological information:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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

## 3.2 Mixtures

Synonyms : 17:0-20:4 PG

Molecular weight : 32,04 g/mol

Component		Classification	Concentration
Methanol			
CAS-No. EC-No. Index-No. Registration number	67-56-1 200-659-6 603-001-00-X 01-2119433307-44- XXXX	Flam. Liq. 2; Acute Tox. 3; STOT SE 1; H225, H301, H331, H311, H370 Concentration limits: >= 10 %: STOT SE 1, H370; 3 - < 10 %: STOT SE 2, H371;	>= 90 - <= 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

#### **SECTION 4: First aid measures**

## 4.1 Description of first-aid measures

No data available

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

# 4.3 Indication of any immediate medical attention and special treatment needed No data available

Avanti- LM1202 Page 3 of 11

## **SECTION 5: Firefighting measures**

## 5.1 Extinguishing media

No data available

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

Carbon oxides

## 5.3 Advice for firefighters

No data available

#### 5.4 Further information

No data available

#### **SECTION 6: Accidental release measures**

## 6.1 Personal precautions, protective equipment and emergency procedures

For personal protection see section 8.

## 6.2 Environmental precautions

No data available

## 6.3 Methods and materials for containment and cleaning up

No data available

## 6.4 Reference to other sections

For disposal see section 13.

## **SECTION 7: Handling and storage**

## 7.1 Precautions for safe handling

For precautions see section 2.2.

## 7.2 Conditions for safe storage, including any incompatibilities

No data available

#### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

#### **SECTION 8: Exposure controls/personal protection**

## 8.1 Control parameters

Ingredients with workplace control parameters

## 8.2 Exposure controls

b) Color

No data available

## **SECTION 9: Physical and chemical properties**

## 9.1 Information on basic physical and chemical properties

colorless

a) Physical state liquid

Avanti- LM1202 Page 4 of 11

c) Odor characteristic

d) Melting Melting point: -98,0 °C point/freezing point

e) Initial boiling point 64,0 - 65,0 °C at 1.013 hPa and boiling range

f) Flammability (solid, No data available gas)

g) Upper/lower Upper explosion limit: 36,5 %(V) flammability or explosive limits Upper explosion limit: 5,5 %(V)

h) Flash point 9,7 °C - closed cup - DIN 51755 Part 1

i) Autoignition 455,0 °C temperature at 1.013 hPa - DIN 51794

j) Decomposition Distillable in an undecomposed state at normal pressure. temperature

k) pH No data available

I) Viscosity Viscosity, kinematic: 0,54 - 0,59 mm2/s at 20 °C

Viscosity, dynamic: No data available

m) Water solubility at 20 °C soluble

n) Partition coefficient: log Pow: -0,77 at 25  $^{\circ}$ C - (Lit.), Bioaccumulation is not

n-octanol/water expected.

o) Vapor pressure 128 hPa at 20,0 °C

p) Density 0,79 g/cm<sup>3</sup>

Relative density No data available

q) Relative vapor No data available density

r) Particle No data available characteristics

s) Explosive properties No data available

t) Oxidizing properties none

#### 9.2 Other safety information

Minimum ignition 0,14 mJ

energy

Conductivity  $< 1 \mu S/cm$ 

Relative vapor 1,11

density

Avanti- LM1202 Page 5 of 11

## **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

No data available

#### 10.2 Chemical stability

No data available

## 10.3 Possibility of hazardous reactions

No data available

#### 10.4 Conditions to avoid

No data available

## 10.5 Incompatible materials

Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids

#### 10.6 Hazardous decomposition products

In the event of fire: see section 5

## **SECTION 11: Toxicological information**

## 11.1 Information on toxicological effects

#### **Mixture**

## **Acute toxicity**

Oral: No data available Inhalation: No data available Dermal: No data available

## Skin corrosion/irritation

No data available

## Serious eye damage/eye irritation

No data available

#### Respiratory or skin sensitization

No data available

## Germ cell mutagenicity

No data available

## Carcinogenicity

No data available

#### Reproductive toxicity

No data available

#### Specific target organ toxicity - single exposure

No data available

#### Specific target organ toxicity - repeated exposure

No data available

## **Aspiration hazard**

No data available

Avanti- LM1202 Page 6 of 11

#### 11.2 Additional Information

## **Endocrine disrupting properties**

#### **Product:**

Assessment The substance/mixture does not contain

components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Methyl alcohol may be fatal or cause blindness if swallowed.

Effects due to ingestion may include:, Headache, Dizziness, Drowsiness, metabolic acidosis, Coma, Seizures.

Symptoms may be delayed., Damage of the:, Liver, Kidney

## Components

#### Methanol

#### **Acute toxicity**

Acute toxicity estimate Oral - 100,1 mg/kg

(Expert judgment)

Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table

3.1/3.2)

Symptoms: Nausea, Vomiting

Acute toxicity estimate Inhalation - 4 h - 3,1 mg/l - vapor

(Expert judgment)

Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table

3.1/3.2)

Symptoms: Irritation symptoms in the respiratory tract.

Acute toxicity estimate Dermal - 300,1 mg/kg

(Expert judgment)

Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table

3.1/3.2)

#### Skin corrosion/irritation

Skin - Rabbit

Result: No skin irritation

Remarks: (ECHA)

Remarks: Drying-out effect resulting in rough and chapped skin.

## Serious eye damage/eye irritation

Eyes - Rabbit

Result: No eye irritation

Remarks: (ECHA)

#### Respiratory or skin sensitization

Sensitisation test: - Guinea pig

Result: negative

(OECD Test Guideline 406)

## Germ cell mutagenicity

Based on available data the classification criteria are not met.

Avanti- LM1202 Page 7 of 11

Test Type: Ames test

Test system: Salmonella typhimurium

Result: negative

Test Type: In vitro mammalian cell gene mutation test

Test system: Chinese hamster lung cells

Result: negative

Method: OECD Test Guideline 474

Species: Mouse - male and female - Bone marrow

Result: negative **Carcinogenicity** 

Did not show carcinogenic effects in animal experiments.

## Reproductive toxicity

Based on available data the classification criteria are not met.

#### Specific target organ toxicity - single exposure

Causes damage to organs. - Eyes, Central nervous system

Remarks: Classified according to Regulation (EU) 1272/2008, Annex VI (Table 2.1/2.2)

3.1/3.2)

Acute oral toxicity - Nausea, Vomiting

Acute inhalation toxicity - Irritation symptoms in the respiratory tract.

## Specific target organ toxicity - repeated exposure

No data available

## **Aspiration hazard**

No data available

## **SECTION 12: Ecological information**

## 12.1 Toxicity

#### **Mixture**

No data available

#### 12.2 Persistence and degradability

No data available

#### 12.3 Bioaccumulative potential

No data available

#### 12.4 Mobility in soil

No data available

## 12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 12.6 Endocrine disrupting properties

## Product:

Assessment : The substance/mixture does not contain components

considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Avanti- LM1202 Page 8 of 11

#### 12.7 Other adverse effects

No data available

## **Components**

**Methanol** 

Toxicity to fish flow-through test LC50 - Lepomis macrochirus (Bluegill) -

15.400,0 mg/l - 96 h

(US-EPA)

Toxicity to daphnia

semi-static test EC50 - Daphnia magna (Water flea) - 18.260

and other aquatic invertebrates

mg/l - 96 h (OECD Test Guideline 202)

Toxicity to algae

static test ErC50 - Pseudokirchneriella subcapitata (green

algae) - ca. 22.000,0 mg/l - 96 h

(OECD Test Guideline 201)

Toxicity to bacteria

static test IC50 - activated sludge - > 1.000 mg/l - 3 h

(OECD Test Guideline 209)

Toxicity to

NOEC - Oryzias latipes (Orange-red killifish) - 7.900 mg/l - 200

fish(Chronic toxicity)

Remarks: (External MSDS)

# CHEMIKART

## **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

No data available

## **SECTION 14: Transport information**

14.1 UN number

ADR/RID: 1230 IMDG: 1230 IATA: 1230

14.2 UN proper shipping name

ADR/RID: METHANOL, SOLUTION IMDG: METHANOL, SOLUTION IATA: Methanol, SOLUTION

14.3 Transport hazard class(es)

ADR/RID: 3 (6.1) IMDG: 3 (6.1) IATA: 3 (6.1)

14.4 Packaging group

ADR/RID: II IMDG: II IATA: II

Avanti- LM1202 Page 9 of 11

#### 14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

## 14.6 Special precautions for user

Tunnel restriction code : (D/E)

Further information : No data available

## **SECTION 15: Regulatory information**

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

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

H2

## Authorisations and/or restrictions on use

REACH - Restrictions on the manufacture, : Methanol placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)

## **National legislation**

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

ACUTE TOXIC

P5c FLAMMABLE LIQUIDS

22 Methanol

## 15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

## **SECTION 16: Other information**

H225

#### Full text of H-Statements referred to under sections 2 and 3.

Highly flammable liquid and vapor.

H301	Toxic if swallowed.
H301 + H311 +	Toxic if swallowed, in contact with skin or if inhaled.
H331	
H311	Toxic in contact with skin.
H331	Highly flammable liquid and vapor.
H370	Toxic if swallowed, in contact with skin or if inhaled.
H371	Causes damage to organs (Eyes, Central nervous system).

Avanti- LM1202 Page 10 of 11

#### Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM -American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS -Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx -Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS -Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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Avanti- LM1202 Page 11 of 11