



Preparing for the New Era of Laboratories

## **MATERIAL SAFETY DATA SHEET (MSDS)**

According to regulation (EU) no.1907/2006

### **OLEIC ACID EXTRAPURE**

PRODUCT CODE : A-2026

CAS No : 112-80-1

FORMULA : C<sub>18</sub>H<sub>34</sub>O<sub>2</sub>

UN No : not applicable

# MATERIAL SAFETY DATA SHEET (SDS/MSDS)

## OLEIC ACID EXTRAPURE



MSDS Number : 0439

Date : Dec 13<sup>th</sup>, 2024

Version : 1.0

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

<b>1.1 Product Name</b>	: OLEIC ACID EXTRAPURE
<b>Synonyms</b>	: Elainic acid, cis-9-Octadecenoic acid
<b>CAS No.</b>	: 112-80-1
<b>HS Code</b>	: 3823 1200
<b>Chemical Formula</b>	: C <sub>18</sub> H <sub>34</sub> O <sub>2</sub>
<b>Molecular Weight</b>	: 282,46 g/mol
<b>Product Code</b>	: A-2026
<b>Brand</b>	: Labotiq
<b>1.2 Manufacturer</b>	: Labotiq
<b>Address</b>	: Jl.Terapi Raya AD2-Bumi Menteng Asri Bogor, Jawa Barat Indonesia - 16111
<b>Website</b>	: <a href="http://www.labotiq.net">www.labotiq.net</a>
<b>Email</b>	: <a href="mailto:labotiq.id@gmail.com">labotiq.id@gmail.com</a>
<b>For information</b>	: Phone : (+62-251) 839110, 8311662, Fax : (+62-251) 83135710
<b>Emergency number</b>	: +6281316894650
<b>1.3 Application</b>	: Laboratory chemicals, Manufacture of substances, General Chemical reagent

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

#### 2.2 Label elements

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

#### 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.

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Synonyms	: Elainic acid cis-9-Octadecenoic acid
Formula	: C <sub>18</sub> H <sub>34</sub> O <sub>2</sub>
Molecular weight	: 282,46 g/mol
CAS-No.	: 112-80-1
EC-No.	: 204-007-1

No components need to be disclosed according to the applicable regulations.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### If inhaled

After inhalation: fresh air.

##### In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/shower.

# MATERIAL SAFETY DATA SHEET (SDS/MSDS)

## OLEIC ACID EXTRAPURE



MSDS Number : 0439

Date : Dec 13<sup>th</sup>, 2024

Version : 1.0

### In case of eye contact

After eye contact: rinse out with plenty of water. Remove contact lenses.

### If swallowed

After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.

### 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

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

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

#### Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

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

Carbon oxides

Combustible.

Development of hazardous combustion gases or vapours possible in the event of fire.

### 5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

### 5.4 Further information

Prevent fire extinguishing water from contaminating surface water or the ground water system.

## SECTION 6: Accidental release measures

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

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

### 6.2 Environmental precautions

Do not let product enter drains.

### 6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material (e.g. Chemizorb®). Dispose of properly. Clean up affected area.

### 6.4 Reference to other sections

For disposal see section 13.

## SECTION 7: Handling and storage

# MATERIAL SAFETY DATA SHEET (SDS/MSDS)

## OLEIC ACID EXTRAPURE



MSDS Number : 0439

Date : Dec 13<sup>th</sup>, 2024

Version : 1.0

### 7.1 Precautions for safe handling

For precautions see section 2.2.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage conditions

Tightly closed.

#### Storage stability

Recommended storage temperature -20 °C

Air and light sensitive.

#### Storage class

Storage class (TRGS 510): 10: Combustible liquids

### 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

#### Appropriate engineering controls

General industrial hygiene practice.

#### Personal protective equipment

##### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

##### Skin protection

required

##### Full contact

Material: butyl-rubber

Minimum layer thickness: 0,7 mm

Break through time: 480 min

Material tested: Butoject® (KCL 898)

##### Splash contact

Material: Chloroprene

Minimum layer thickness: 0,65 mm

Break through time: 30 min

Material tested: Camapren® (KCL 720)

##### Respiratory protection

Not required; except in case of aerosol formation

##### Control of environmental exposure

Do not let product enter drains.

# MATERIAL SAFETY DATA SHEET (SDS/MSDS)

## OLEIC ACID EXTRAPURE



MSDS Number : 0439

Date : Dec 13<sup>th</sup>, 2024

Version : 1.0

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Appearance	Form: liquid, clear
Odour	Colour: colorless
Odour Threshold	No data available
pH	No data available
Melting point/freezing point	Melting point/range: 13 - 14 °C - lit
Initial boiling point and boiling range	194 - 195 °C at 1,6 hPa - lit
Flash point	> 113 °C - closed cup
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	1,333 hPa at 176 °C
Vapour density	No data available
Density	0,89 g/cm3 at 25 °C - lit.
Relative density	No data available
Water solubility	No data available
Partition coefficient: noctanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	Viscosity, kinematic: No data available Viscosity, dynamic: No data available
Explosive properties	No data available
Oxidizing properties	none

#### 9.2 Other safety information

No data available

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No data available

#### 10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

#### 10.3 Possibility of hazardous reactions

Violent reactions possible with:  
Oxidizing agents, perchloric acid

Risk of explosion with:  
Aluminum

#### 10.4 Conditions to avoid

Air sensitive.

#### 10.5 Incompatible materials

No data available

# MATERIAL SAFETY DATA SHEET (SDS/MSDS)

## OLEIC ACID EXTRAPURE



MSDS Number : 0439

Date : Dec 13<sup>th</sup>, 2024

Version : 1.0

### 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

LD50 Oral - Rat - 25.000 mg/kg

Remarks: (RTECS)

Inhalation: No data available

Dermal: No data available

#### Skin corrosion/irritation

Skin - Rabbit

Result: No skin irritation

Remarks: (External MSDS)

#### Serious eye damage/eye irritation

Eyes - Rabbit

Result: No eye irritation

Remarks: (External MSDS)

#### Respiratory or skin sensitisation

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

#### 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.

RTECS: RG2275000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

# MATERIAL SAFETY DATA SHEET (SDS/MSDS)

## OLEIC ACID EXTRAPURE



MSDS Number : 0439

Date : Dec 13<sup>th</sup>, 2024

Version : 1.0

### SECTION 12: Ecological information

#### 12.1 Toxicity

Toxicity to fish

LC50 - Pimephales promelas (fathead minnow) - 205 mg/l - 96 h

Remarks: (ECOTOX Database)

Toxicity to daphnia and other aquatic invertebrates

EC50 - Daphnia - &gt; 2,8 mg/l - 48 h (OECD Test Guideline 202)

Remarks: (above the solubility limit in the test medium)

#### 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 Other adverse effects

No data available

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.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

No data available

### SECTION 14: Transport information

#### 14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

#### 14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

#### 14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

#### 14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

#### 14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

# MATERIAL SAFETY DATA SHEET (SDS/MSDS)

## OLEIC ACID EXTRAPURE



MSDS Number : 0439

Date : Dec 13<sup>th</sup>, 2024

Version : 1.0

### 14.6 Special precautions for user

No data available

### Further information

Not classified as dangerous in the meaning of transport regulations.

## SECTION 15: Regulatory information

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

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

### 15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out

## SECTION 16: Other information

### National Fire Protection Association (U.S.A.):

Health: 0

Flammability: 1

Reactivity: 1

### Further information

*The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Labotiq shall not be held liable for any damage resulting from handling or from contact with the above product.*

Version : 1.0

Revision Date : December 13, 2024