

Trade name: Lauric acid

Print Date: 6. January 2021

Version: 3.2, revision date: 02.01.2021

Replaced version: 3.1 created on: 28.02.2020

Region: EN

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Product name / Trade name**

Lauric acid

Substance name

Lauric acid

REACH Registration Number

01-2119538184-40

Identification Number

CAS-No.

143-07-7

EC No.

205-582-1

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

Various

Uses advised against

No data available.

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

SysKem Chemie GmbH

Brucknerweg 26

D-42289 Wuppertal

Telephone

+49 (0) 202/30999510

Telefax

+49 (0) 202/87088403

E-mail address

info@syskem.de

Prepared by / E-mail address of person responsible for the SDS

info@syskem.de

1.4. Emergency telephone number

Vergiftungs-Informationen-Zentrale Freiburg, Tel. +49 761 19240.

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****GHS classification**

Hazard categories:

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

Causes serious eye damage.

2.2. Label elements**Hazard pictograms (CLP)**

GHS 05

Signal word (CLP)

Danger

Trade name: Lauric acid

Print Date: 6. January 2021

Version: 3.2, revision date: 02.01.2021

Replaced version: 3.1 created on: 28.02.2020

Region: EN

Hazard statements (CLP)

H318: Causes serious eye damage.

Precautionary statements (CLP)

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER/doctor.

2.3. Other hazards

This substance does not meet the criteria for classification as PBT or vPvB.

SECTION 3: Composition/information on ingredients**3.1. Substances**

Hazardous components Chemical name	Identification number	Classification Regulation (EC) No 1272/2008	Quantity
Lauric acid	CAS-No. : 143-07-7 EC-No. : 205-582-1 REACH No.: 01-2119538184-40	Serious eye damage Category 1 ; H318	> 99 %

Full text of H-phrases: see section 16.

3.2 Mixture

Not applicable, this product is a substance.

SECTION 4: First aid measures**4.1. Description of first aid measures****General advice:**

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible). Take off immediately all contaminated clothing. Do not leave victim unattended.

If inhaled:

Move victim out of danger zone. Provide fresh air.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap.

In case of eye contact:

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist. Immediately get medical attention.

If swallowed:

Do not induce vomiting. Immediately get medical attention. Rinse mouth thoroughly with water. 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 symptoms known up to now.

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

Treat symptomatically.



Trade name: Lauric acid

Print Date: 6. January 2021

Version: 3.2, revision date: 02.01.2021

Replaced version: 3.1 created on: 28.02.2020

Region: EN

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Foam. Dry extinguishing powder. Carbon dioxide (CO₂). Sand. Water spray.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Pyrolysis products, toxic. Carbon dioxide (CO₂). Carbon monoxide.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical resistant suit. Do not allow water used to extinguish fire to enter drains or waterways. In case of fire and/or explosion do not breathe fumes. Extinguishing materials should be selected according to the surrounding area.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment. Wear respiratory protection when in the presence of vapour, dust, and aerosols.

6.2. Environmental precautions

High slip hazard because of leaking or spilled product. Do not empty into drains or the aquatic environment. Retain contaminated washing water and dispose. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Ensure waste is collected and contained. Treat the assimilated material according to the section on waste disposal. Absorbing material, organic. sand Remove mechanically, placing in appropriate containers for disposal. Clean contaminated objects and areas thoroughly observing environmental regulations. Avoid generation of dust.

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

Advice on safe handling

It is recommended to organize all working processes in order to exclude the following: inhalation. skin contact. Eye contact. Use only in well-ventilated areas.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Usual measures for fire prevention.

Further information on handling

Do not eat, drink, smoke or sneeze at the workplace.



Trade name: Lauric acid

Print Date: 6. January 2021

Version: 3.2, revision date: 02.01.2021

Replaced version: 3.1 created on: 28.02.2020

Region: EN

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep/Store only in original container. Ensure adequate ventilation of the storage area. Keep container tightly closed.

Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of dampness.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Additional advice on limit values**

No information available.

8.2. Exposure controls**Occupational exposure controls**

Occupational exposure controls: In the case of the formation of dust, aerosol or mist generation.

Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace. Technical measures and the application of adequate working methods take priority over the use of personal protection equipment. Avoid contact with skin, eye and clothing.

Respiratory protection

Work in well ventilated zones or use proper respiratory protection.

Hand protection

Type of chemical protective gloves to choose depends on the concentration and quantity of dangerous substances as well as on work place specifications. When handling chemical substances, chemical protective gloves must be worn with CE label including a four digit code.

Eye protection

Tightly sealed safety glasses. Eye-shade.

Skin protection

When handling chemical substances, chemical protective clothing with CE label (including a four digit code) must be worn.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	Solid
Colour:	off-white
Particle size:	4,7 mm
Odour	characteristic
Odour Threshold	No data available
pH	No data available
Melting point/freezing point	42 - 44 °C
Boiling point and	299 °C
Flash point	160 - 165 °C

Trade name: Lauric acid

Print Date: 6. January 2021

Version: 3.2, revision date: 02.01.2021

Replaced version: 3.1 created on: 28.02.2020

Region: EN

Evaporation rate	No data available
Flammability (solid, gas)	The product is not flammable. Method: EU Test Guideline A10 May form combustible dust concentrations in air
Flammability/Explosive limit	No data available
Auto-ignition temperature	> 400 °C Method: EU Test Guideline A16
Vapour pressure	17,3 hPa (210 °C) 1,12 hPa (140 °C) Method: OECD Test Guideline 104
Vapour density	No data available
Density	Bulk density: 400 - 600 kg/m3 loose
Relative density	No data available
Solubility	Water solubility: 100 g/l (25 °C) Method: OECD Test Guideline 105 Solubility in other solvents: water miscible solvents : soluble
Flammability	
Solid:	No data available
Gas:	No data available
Lower explosion limits:	No data available
Upper explosion limits:	No data available
Auto-ignition temperature	
Solid:	No data available
Gas:	No data available
Vapour pressure:	0.000021 hPa
Density:	No data available
Water solubility:	0.0048 g/L (at 25 °C)
Solubility in other solvents:	No data available
Partition coefficient:	No data available
Viscosity / dynamic:	7.0 mPa·s (at 52 °C)
Viscosity / kinematic:	No data available
Vapour density:	No data available
Evaporation rate:	No data available

9.2. Other information

Odour Threshold:	No data available
Decomposition temperature:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Thermal decomposition can lead to the escape of irritating gases and vapours.

10.2. Chemical stability

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



Trade name: Lauric acid

Print Date: 6. January 2021

Version: 3.2, revision date: 02.01.2021

Replaced version: 3.1 created on: 28.02.2020

Region: EN

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

Oxidizing agents, strong. Reducing agents, strong. Alkalis (alkalis), concentrated. acid, concentrated.

10.6. Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution

No information available.

Acute toxicity

LD50 Oral : >5.000 mg/kg - Rat

Skin corrosion/irritation

Not an irritant.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

No information available.

Mutagenicity

No information available.

Genotoxicity in vivo

No information available.

Carcinogenicity

No information available.

Reproductive toxicity

No information available.

Specific target organ toxicity (single exposure)

No information available.

Specific target organ toxicity (repeated exposure)

No information available.

Aspiration toxicity

No information available.



Trade name: Lauric acid

Print Date: 6. January 2021

Version: 3.2, revision date: 02.01.2021

Replaced version: 3.1 created on: 28.02.2020

Region: EN

SECTION 12: Ecological information

12.1 Toxicity

CAS No	Chemical name	Method	Dosis	h	Species
143-07-7	Aquatic toxicity				
	Lauric acid				
	Acute fish toxicity	LC50	5 mg/l	96	Oryzias latipes
	Acute algae toxicity	ErC50	> 7,6 mg/l	72	Pseudokirchneriella subcapitata
	Acute crustacea toxicity	EC50	3,6 mg/l	48	Daphnia magna

12.2 Persistence and degradability

Easily biodegradable (concerning to the criteria of the OECD)

12.3 Bioaccumulative potential

No information available.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
143-07-7	Lauric acid	4.6

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

This substance does not meet the criteria for classification as PBT or vPvB.

12.6 Other adverse effects

Do not allow uncontrolled leakage of product into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Advice on disposal

Waste material must be disposed of in accordance with the national and local regulations . Collect the waste separately. Handle contaminated packaging in the same way as the substance itself.

Contaminated packaging

Hand over to officially registered waste disposal company.

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good



Trade name: Lauric acid

Print Date: 6. January 2021

Version: 3.2, revision date: 02.01.2021

Replaced version: 3.1 created on: 28.02.2020

Region: EN

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

EU regulatory information

Additional information

No information available.

National regulatory information

Water contaminating class (D):

1 - slightly water contaminating

15.2. Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Further information

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.

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

H318 Causes serious eye damage.