

# Safety Data Sheet

according to 29 CFR 1910.1200(g)

## NATURAL 3-MERCAPTO-2-METHYL-1-PENTANOL 1% IN CBMCT

Revision date: 03/13/2025

Product code: 399600US

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### 1. Identification

#### Product identifier

NATURAL 3-MERCAPTO-2-METHYL-1-PENTANOL 1% IN CBMCT

#### Recommended use of the chemical and restrictions on use

##### Use of the substance/mixture

Manufacturing of: - Air care products - Perfumes, fragrances - Pharmaceuticals - Cosmetics, personal care products - Flavouring Substances - Other

#### Details of the supplier of the safety data sheet

Company name: Axxence Aromatic GmbH  
Street: Tackenweide 28  
Place: D-46446 Emmerich am Rhein  
Telephone: + 49 2822 68561 0  
E-mail: info@axxence.com  
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**Emergency phone number:** +49 2822 68561 99

### 2. Hazard(s) identification

#### Classification of the chemical

##### 29 CFR Part 1910.1200

This mixture is not classified as hazardous in accordance with Regulation 29 CFR 1910.1200(d).

#### Label elements

##### Additional advice on labelling

Label elements: none.

### 3. Composition/information on ingredients

#### Mixtures

##### Relevant ingredients

CAS No	Components	Quantity
73398-61-5	Glycerides, mixed decanoyl and octanoyl	98,5-99 %
227456-27-1	NATURAL-3-MERCAPTO-2-METHYL-1-PENTANOL	1-1,5 %

### 4. First-aid measures

#### Description of first aid measures

##### After inhalation

Provide fresh air.

##### After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

##### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

##### After ingestion

Rinse mouth immediately and drink 1 glass of water.

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

No information available.

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

Treat symptomatically.

## 5. Fire-fighting measures

### Extinguishing media

#### **Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

### Specific hazards arising from the chemical

Non-flammable. Heating causes rise in pressure with risk of bursting.

### Special protective equipment and precautions for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

### Additional information

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

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

#### **General advice**

Use personal protection equipment.

### Environmental precautions

Do not allow uncontrolled discharge of product into the environment.

### Methods and material for containment and cleaning up

#### **For cleaning up**

Ventilate affected area.

### Reference to other sections

Safe handling: see section 7

Personal protection equipment (PPE): see section 8

Disposal: see section 13

## 7. Handling and storage

### Precautions for safe handling

#### **Advice on safe handling**

No special measures are necessary.

#### **Advice on protection against fire and explosion**

No special fire protection measures are necessary.

#### **Advice on general occupational hygiene**

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

### Conditions for safe storage, including any incompatibilities

#### **Requirements for storage rooms and vessels**

Keep container tightly closed.

#### **Hints on joint storage**

No special measures are necessary.

## 8. Exposure controls/personal protection

### Control parameters

### Exposure controls

Individual protection measures, such as personal protective equipment

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### Eye/face protection

Wear eye protection/face protection.

### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. 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. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

### Skin protection

Use of protective clothing.

### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state:	Liquid
Color:	
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	>300 °C
Flammability:	not determined
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Flash point:	>170 °C
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH-Value:	not determined
Viscosity / kinematic:	not applicable
Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water.
Solubility in other solvents	not determined
Partition coefficient n-octanol/water:	not determined
Vapor pressure:	not determined
Density:	not determined
Relative vapour density:	not determined
Particle characteristics:	not applicable

### Other information

#### Information with regard to physical hazard classes

##### Explosive properties

The product is not: Explosive.

##### Oxidizing properties

The product is not: oxidising.

## 10. Stability and reactivity

### Reactivity

No hazardous reaction when handled and stored according to provisions.

### Chemical stability

The product is stable under storage at normal ambient temperatures.

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### Possibility of hazardous reactions

No known hazardous reactions.

### Conditions to avoid

none

### Incompatible materials

No information available.

### Hazardous decomposition products

No known hazardous decomposition products.

## 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### ATEmix calculated

ATE (oral) > 5000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
73398-61-5	Glycerides, mixed decanoyl and octanoyl				
	oral	LD50 >5000 mg/kg	Mouse	REACH registration	OECD 401
	dermal	LD50 >2000 mg/kg	Rat	REACH registration	79/831/EWG, Annex V, Part B
227456-27-1	NATURAL-3-MERCAPTO-2-METHYL-1-PENTANOL				
	oral	ATE 500 mg/kg			

#### Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

#### Sensitizing effects

Based on available data, the classification criteria are not met.

#### Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

#### Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

#### Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

### Information on other hazards

#### Endocrine disrupting properties

No information available.

#### Other information

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

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### 12. Ecological information

#### Persistence and degradability

The product has not been tested.

#### Bioaccumulative potential

The product has not been tested.

#### Mobility in soil

The product has not been tested.

#### Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### Other adverse effects

No information available.

#### Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### 13. Disposal considerations

#### Waste treatment methods

##### Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

##### Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

### 14. Transport information

#### U.S. DOT 49 CFR 172.101

##### Proper shipping name:

No dangerous good in sense of this transport regulation.

#### Marine transport (IMDG)

##### UN number or ID number:

No dangerous good in sense of this transport regulation.

##### UN proper shipping name:

No dangerous good in sense of this transport regulation.

##### Transport hazard class(es):

No dangerous good in sense of this transport regulation.

##### Packing group:

No dangerous good in sense of this transport regulation.

#### Air transport (ICAO-TI/IATA-DGR)

##### UN number or ID number:

No dangerous good in sense of this transport regulation.

##### UN proper shipping name:

No dangerous good in sense of this transport regulation.

##### Transport hazard class(es):

No dangerous good in sense of this transport regulation.

##### Packing group:

No dangerous good in sense of this transport regulation.

#### Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

#### Special precautions for user

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

### 15. Regulatory information

#### U.S. Regulations

##### National regulatory information

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SARA Section 311/312 Hazards:

NATURAL-3-MERCAPTO-2-METHYL-1-PENTANOL (227456-27-1): Immediate (acute) health hazard

### State Regulations

#### Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

### 16. Other information

Revision date: 03/13/2025

Revision No: 100

#### Abbreviations and acronyms

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

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

UN: United Nations

EC/EEC: European Community/European Economic Community

EU: European Union

CAS: Chemical Abstracts Service

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

M-factor: Multiplication factor

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

IMDG: International Maritime Code for Dangerous Goods

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

IATA: International Air Transport Association

DGR: Dangerous Goods Regulations

ICAO: International Civil Aviation Organization

TI: Technical Instructions

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

VOC: volatile organic compound

SVHC: Substance of Very High Concern

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

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### Other data

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*