

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### NATURAL METHYL 3-(METHYLTHIO) PROPIONATE

Revision date: 07/28/2023

Product code: 272000US

Page 1 of 8

#### 1. Identification

##### Product identifier

NATURAL METHYL 3-(METHYLTHIO) PROPIONATE

Substance name: NATURAL METHYL 3-(METHYLTHIO) PROPIONATE  
 CAS No: 13532-18-8

##### 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	Telefax: + 49 2822 68561 39
e-mail:	info@axxence.com	
Contact person:	Andreas Goertz	Telephone: + 49 2822 68561 37
e-mail:	andreas.goertz@axxence.com	
Internet:	www.axxence.de	
Responsible Department:	QM - Regulatory Affairs	

**Emergency phone number:** +49 2822 68561 99

#### 2. Hazard(s) identification

##### Classification of the chemical

###### **29 CFR Part 1910.1200**

Flammable liquids: Flam. Liq. 4  
 Acute toxicity: Acute Tox. 4 (oral)  
 Hazardous to the aquatic environment: Aquatic Acute 2

##### Label elements

###### **29 CFR Part 1910.1200**

**Signal word:** Warning

**Pictograms:**



##### **Hazard statements**

Combustible liquid  
 Harmful if swallowed

##### **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 Wash hands thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 If swallowed: Call a poison center/doctor if you feel unwell.  
 Rinse mouth.  
 In case of fire: Use Carbon dioxide (CO<sub>2</sub>) / Dry extinguishing powder / Extinguishing powder / Full water jet to extinguish.  
 Store in a well-ventilated place.  
 Dispose of contents/container to Organic waste.

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**NATURAL METHYL 3-(METHYLTHIO) PROPIONATE**

Revision date: 07/28/2023

Product code: 272000US

Page 2 of 8

**Hazards not otherwise classified**

No information available.

**3. Composition/information on ingredients****Substances**

Sum formula: C<sub>5</sub> H<sub>10</sub> O<sub>2</sub> S  
Molecular weight: 134,2

**Hazardous components**

CAS No	Components	Quantity
13532-18-8	NATURAL METHYL 3-(METHYLTHIO) PROPIONATE	100 %

**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. In case of eye irritation consult an ophthalmologist.

**After ingestion**

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink 1 glass of water. Medical treatment necessary.

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

No information available.

**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. Vapors may form explosive mixtures with air.

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

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

**Additional information**

Use water spray/stream to protect personnel and to cool endangered containers. Suppress gases/vapors/mists with water spray jet. 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**

Provide adequate ventilation. Do not breathe gas/fume/vapor/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### NATURAL METHYL 3-(METHYLTHIO) PROPIONATE

Revision date: 07/28/2023

Product code: 272000US

Page 3 of 8

#### Environmental precautions

Do not allow to enter into surface water or drains.

#### Methods and material for containment and cleaning up

##### For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

##### Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### 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

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fume/vapor/spray.

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

No special fire protection measures are necessary.

##### Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff. Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. 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

##### Eye/face protection

Wear eye/face protection.

##### Hand protection

Suitable gloves type: NBR (Nitrile rubber) + CR (polychloroprene, chloroprene rubber)

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.

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### NATURAL METHYL 3-(METHYLTHIO) PROPIONATE

Revision date: 07/28/2023

Product code: 272000US

Page 4 of 8

#### 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:	Colourless to pale yellow		
Melting point/freezing point:		not determined	
Boiling point or initial boiling point and boiling range:		181 °C	
Flammability:		not determined	
Lower explosion limits:		not determined	
Upper explosion limits:		not determined	
Flash point:		72 °C	ASTM D 3278
Decomposition temperature:		not determined	
pH-Value:		not determined	
Water solubility: (at 20 °C)		practically insoluble	
Solubility in other solvents not determined			
Partition coefficient n-octanol/water:		0,84	
Vapor pressure: (at 25 °C)		0,99 hPa	
Density (at 20 °C):		1,07 g/cm <sup>3</sup>	
Relative vapour density:		not determined	

### Other information

#### Information with regard to physical hazard classes

##### Explosive properties

The product is not: Explosive. not hazard of explosion according to EU A.14

##### Oxidizing properties

The product is not: oxidising.

#### Other safety characteristics

Evaporation rate:	not determined
Solvent content:	0%
Solid content:	0%

## 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.

### Possibility of hazardous reactions

No known hazardous reactions.

### Conditions to avoid

none/none

### Incompatible materials

No information available.

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### NATURAL METHYL 3-(METHYLTHIO) PROPIONATE

Revision date: 07/28/2023

Product code: 272000US

Page 5 of 8

#### Hazardous decomposition products

No known hazardous decomposition products.

## 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Harmful if swallowed

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
13532-18-8	NATURAL METHYL 3-(METHYLTHIO) PROPIONATE				
	oral	LD50 mg/kg	<544	Mouse	RIFM Database

#### Irritation and corrosivity

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

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.

Carcinogenicity (OSHA): Not listed.

Carcinogenicity (IARC): Not listed.

Carcinogenicity (NTP): Not listed.

#### Aspiration hazard

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

### Information on other hazards

#### Other information

No information available.

#### Further information

This substance is classified as hazardous according to Regulation (EC) No 1272 (2008).

## 12. Ecological information

### Ecotoxicity

The product is not: Ecotoxic.

### 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 substance does not have endocrine disrupting properties with respect to non-target organisms.

No information available.

### Other adverse effects

No information available.

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### NATURAL METHYL 3-(METHYLTHIO) PROPIONATE

Revision date: 07/28/2023

Product code: 272000US

Page 6 of 8

#### 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

**UN number or ID number:**

UN 3334

**Proper shipping name:**

AVIATION REGULATED LIQUID, N.O.S.

**Transport hazard class(es):**

9

Hazard label:

9



#### Marine transport (IMDG)

**UN number or ID number:**

UN 3334

**UN proper shipping name:**

AVIATION REGULATED LIQUID, N.O.S.

**Transport hazard class(es):**

9

**Packing group:**

-

Hazard label:

9



Special Provisions:

960

Limited quantity:

-

Excepted quantity:

-

EmS:

-

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

**UN number or ID number:**

UN 3334

**UN proper shipping name:**

AVIATION REGULATED LIQUID, N.O.S.

**Transport hazard class(es):**

9

**Packing group:**

III

Hazard label:

9



Special Provisions:

A27

Limited quantity Passenger:

30 kg G

Passenger LQ:

Y964

Excepted quantity:

E1

IATA-packing instructions - Passenger:

964

IATA-max. quantity - Passenger:

450 L

## Safety Data Sheet

according to 29 CFR 1910.1200(g)

### NATURAL METHYL 3-(METHYLTHIO) PROPIONATE

Revision date: 07/28/2023

Product code: 272000US

Page 7 of 8

IATA-packing instructions - Cargo: 964  
 IATA-max. quantity - Cargo: 450 L

#### Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

#### Special precautions for user

No information available.

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

not applicable

## 15. Regulatory information

### U.S. Regulations

#### **National regulatory information**

SARA Section 311/312 Hazards:

NATURAL METHYL 3-(METHYLTHIO) PROPIONATE (13532-18-8): Fire hazard, 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: 07/28/2023

Revision No: 103

### **Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
 (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

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

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

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

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

**Safety Data Sheet**

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**NATURAL METHYL 3-(METHYLTHIO) PROPIONATE**

Revision date: 07/28/2023

Product code: 272000US

Page 8 of 8

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)

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

ICAO: International Civil Aviation Organization

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

IBC: Intermediate Bulk Container

VOC: Volatile Organic Compounds

SVHC: Substance of Very High Concern

For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

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

**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.