

# SAFETY DATA SHEET according

to GB/T 16483 and GB/T 17519

Version 8.2 Revision Date 09.03.2023 Print Date 05.07.2023 Date of first issue 11.03.2022

SDS No. Aldrich - W315818 Product Number Aldrich - W315818

# 2-Furanmethanethiol formate

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

1.1 Product identifiers

Product name : 2-Furanmethanethiol formate

Product Number : W315818
Brand : Aldrich
CAS-No. : 59020-90-5

1.2 Details of the supplier of the safety data sheet

Company : Sigma-Aldrich (Shanghai) Trading Co.Ltd.

509 Renging Road

Zhangjiang High Tech East Park, Pudong

**SHANGHAI** 

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**CHINA** 

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1.3 Emergency telephone

Emergency Phone # : +86 532 83889090

1.4 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : For R&D use only. Not for pharmaceutical, household or other

uses.

**SECTION 2: Hazards identification** 

**Summary of emergency** 

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yellow, brown Stench. After inhalation: fresh air. In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. After eye contact: rinse out with plenty of water., Remove contact lenses. After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell. Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.

#### 2.1 GHS Classification

Not a hazardous substance or mixture.

# 2.2 GHS Label elements, including precautionary statements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

### 2.3 Physical and chemical hazards

Referring to current information, no physical or chemical hazard.

#### 2.4 Health hazards

Referring to current information, no health hazard.

# 2.5 Environmental hazards

Referring to current information, no environmental hazard.

#### 2.6 Other hazards - none

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

Substance / Mixture : Substance

#### 3.1 Substances

Formula :  $C_6H_6O_2S$ Molecular weight : 142.18 g/mol CAS-No. : 59020-90-5 EC-No. : 261-563-8

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.

### 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

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# 4.4 Notes to physician

No data available

# **SECTION 5: Firefighting measures**

# 5.1 Extinguishing media

# Suitable extinguishing media

Water Foam Carbon dioxide (CO2) 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

Sulfur 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.

Suppress (knock down) gases/vapors/mists with a water spray jet. 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**

### 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

2 - 8 °C

Stench. Handle and store under inert gas. Air and moisture sensitive.

Merck

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

### 8.1 Control parameters

# **Ingredients with workplace control parameters**

Contains no substances with occupational exposure limit values.

# 8.2 Exposure controls

### **Appropriate engineering controls**

Change contaminated clothing. Wash hands after working with substance.

# 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

not required

# **Respiratory protection**

Not required; except in case of aerosol formation.

# Control of environmental exposure

Do not let product enter drains.

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

# 9.1 Information on basic physical and chemical properties

a) Physical state liquid

b) Color yellow, brown

c) Odor Stench.

d) Melting No data available

point/freezing point

e) Initial boiling point 66 °C at 20 hPa - lit.

and boiling range

f) Flammability (solid, No data available

gas)

g) Upper/lower No data available

flammability or explosive limits

h) Flash point > 110 °C - closed cup

i) Autoignition No data available

temperature

Decomposition No data available temperature

k) pH No data available

I) Viscosity Viscosity, kinematic: No data available

Viscosity, dynamic: No data available

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j)

m) Water solubility No data availablen) Partition coefficient: No data available n-octanol/water

o) Vapor pressure No data available

p) Density 1.196 g/mL at 25 °C - lit.

q) Relative density No data available No data available

density

r) Particle No data available

characteristics

s) Explosive properties No data availablet) Oxidizing properties No data available

# 9.2 Other safety information

No data available

# **SECTION 10: Stability and reactivity**

# 10.1 Chemical stability

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

# 10.2 Possibility of hazardous reactions

No data available

### 10.3 Conditions to avoid

no information available

# 10.4 Incompatible materials

Strong oxidizing agents

# 10.5 Hazardous decomposition products

In the event of fire: see section 5

# **SECTION 11: Toxicological information**

# 11.1 Information on toxicological effects

### **Acute toxicity**

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

**Skin corrosion/irritation** Remarks: No data available

# Serious eye damage/eye irritation

Remarks: No data available

#### Respiratory or skin sensitization

No data available

# Germ cell mutagenicity

No data available

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# 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

#### 11.2 Additional Information

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

# **SECTION 12: Ecological information**

# 12.1 Toxicity

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

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

### 12.6 Endocrine disrupting properties

No data available

#### 12.7 Other adverse effects

No data available

# **SECTION 13: Disposal considerations**

### 13.1 Waste treatment methods

### Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

# **SECTION 14: Transport information**

# 14.1 UN number

ADR/RID: - IMDG: - IATA-DGR: 3334

### 14.2 UN proper shipping name

ADR/RID: Not dangerous goods IMDG: Not dangerous goods

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IATA-DGR: Aviation regulated liquid, n.o.s. (S-(2-Furylmethyl) methanethioate)

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA-DGR: 9

14.4 Packaging group

ADR/RID: - IMDG: - IATA-DGR: III

14.5 Environmental hazards

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

# 14.6 Special precautions for user

Based on chemical properties, choose appropriate tools and conditions of transport. Transporting tools shall be equipped with appropriate and sufficient firefighting equipment and emergency leaking installations. If transporting by road, please go along the specified route.

# 14.7 Incompatible materials

Strong oxidizing agents

# **SECTION 15: Regulatory information**

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

# **National regulatory information**

# Other regulations

Please pay attention on the waste treatment should also comply with local regulations requirement.

### **SECTION 16: Other information**

### -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. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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