

# SAFETY DATA SHEET

Version 6.1 Revision Date 01/20/2020 Print Date 10/12/2020

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

#### 1.1 Product identifiers

Product name : 5-Methylthiophene-2-boronic acid pinacol

ester

Product Number : 655074
Brand : Aldrich
CAS-No. : 476004-80-5

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

Identified uses : Laboratory chemicals, Synthesis of substances

# 1.3 Details of the supplier of the safety data sheet

Company : Sigma-Aldrich Inc.

3050 Spruce Street ST. LOUIS MO 63103 UNITED STATES

Telephone : +1 314 771-5765 Fax : +1 800 325-5052

#### 1.4 Emergency telephone number

Emergency Phone # : 800-424-9300 CHEMTREC (USA) +1-703-

527-3887 CHEMTREC (International) 24

Hours/day; 7 Days/week

#### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

# 2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

# 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

No information available.

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

# 3.1 Substances

Synonyms : 5-(2-Methylthiophene)-4,4,5,5-tetramethyl-1,3,2-dioxaborolane

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Formula :  $C_{11}H_{17}BO_2S$ Molecular weight : 224.13 g/mol CAS-No. : 476004-80-5

Component	Classification	Concentration
Pinacol		
		>= 5 - < 10
		%

#### **SECTION 4: First aid measures**

#### 4.1 **Description of first aid measures**

#### **General advice**

Do not leave the victim unattended.

#### If inhaled

If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.

#### In case of skin contact

If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.

# In case of eye contact

Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

#### Most important symptoms and effects, both acute and delayed 4.2

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

# Indication of any immediate medical attention and special treatment needed No data available

#### **SECTION 5: Firefighting measures**

# 5.1 Extinguishing media

#### Unsuitable extinguishing media

High volume water jet

# 5.2 Special hazards arising from the substance or mixture

Carbon oxides, Sulphur oxides, Borane/boron oxides

#### 5.3 **Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

#### 5.4 **Further information**

Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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#### **SECTION 6: Accidental release measures**

# 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

For personal protection see section 8.

# 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so.

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

Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For disposal see section 13.

# **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.

Normal measures for preventive fire protection.

For precautions see section 2.2.

# 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Electrical installations / working materials must comply with the technological safety standards.

No decomposition if stored and applied as directed.

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

# **Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

Hazardous components without workplace control parameters

# 8.2 Exposure controls

# **Appropriate engineering controls**

When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

# **Personal protective equipment**

#### **Eye/face protection**

Eye wash bottle with pure water Tightly fitting safety goggles

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#### Skin protection

The suitability for a specific workplace should be discussed with the producers of the protective gloves.

#### **Body Protection**

Impervious clothing, Choose body protection according to the amount and concentration of the dangerous substance at the work place.

#### **Control of environmental exposure**

Prevent further leakage or spillage if safe to do so.

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

# 9.1 Information on basic physical and chemical properties

Form: liquid a) Appearance b) Odour No data available c) Odour Threshold No data available d) pH No data available No data available e) Melting point/freezing point Initial boiling point No data available f) and boiling range g) Flash point 105 °C (221 °F) h) Evaporation rate No data available Flammability (solid, No data available i) gas) Upper/lower No data available j) flammability or explosive limits k) Vapour pressure No data available Vapour density No data available I) 0.937 g/cm3 at 25 °C (77 °F) m) Relative density n) Water solubility No data available o) Partition coefficient: No data available n-octanol/water p) Auto-ignition No data available temperature

# 9.2 Other safety information

s) Explosive properties

t) Oxidizing properties

q) Decomposition temperature

r) Viscosity

No data available

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No data available

No data available

No data available

No data available

#### **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

No decomposition if stored and applied as directed.

# 10.2 Chemical stability

No decomposition if stored and applied as directed. No decomposition if stored and applied as directed.

# 10.3 Possibility of hazardous reactions

No data available

# 10.4 Conditions to avoid

No data available

# 10.5 Incompatible materials

Strong oxidizing agents

# 10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sulphur oxides, Borane/boron oxides

Other decomposition products - No data available

In the event of fire: see section 5

# **SECTION 11: Toxicological information**

# 11.1 Information on toxicological effects

# **Acute toxicity**

No data available

Inhalation: No data available Dermal: No data available

No data available

#### Skin corrosion/irritation

May cause skin irritation and/or dermatitis.

No data available

# Serious eye damage/eye irritation

Vapours may cause irritation to the eyes, respiratory system and the skin.

No data available

# Respiratory or skin sensitisation

No data available

#### Germ cell mutagenicity

No data available

#### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is

identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is

identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is

on OSHA's list of regulated carcinogens.

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# 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 (5-Methylthiophene-2-boronic acid pinacol ester)

#### **Additional Information**

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. (5-Methylthiophene-2-boronic acid pinacol ester)

No data available

# **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 (5-Methylthiophene-2-boronic acid pinacol ester)

# 12.5 Results of PBT and vPvB assessment

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

#### 12.6 Other adverse effects

No data available

No data available

# **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

#### **Product**

Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.

# Contaminated packaging

Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

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# **SECTION 14: Transport information**

# DOT (US)

Not dangerous goods

#### **IMDG**

Not dangerous goods

#### **IATA**

Not dangerous goods

# **SECTION 15: Regulatory information**

#### **SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

# **SARA 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

# SARA 311/312 Hazards

No SARA Hazards

# **Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

# **Pennsylvania Right To Know Components**

5-Methylthiophene-2-boronic acid pinacol ester	CAS-No. 476004-80-5	Revision Date
Pinacol	76-09-5	
5-Methylthiophene-2-boronic acid pinacol ester	CAS-No. 476004-80-5	Revision Date

Pinacol 76-09-5

# **New Jersey Right To Know Components**

5-Methylthiophene-2-boronic acid pinacol ester	CAS-No.	Revision Date
	476004-80-5	

Pinacol 76-09-5

# **California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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# **SECTION 16: Other information**

The branding on the header and/or footer of this document may temporarily not visually match the product purchased as we transition our branding. However, all of the information in the document regarding the product remains unchanged and matches the product ordered. For further information please contact mlsbranding@sial.com.

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