

## ACI SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

Product Description:

5-Methyl-[1,2,3]thiadiazole-4-carboxylic acid ethyl ester

Cat No:

SB-05B-098

CAS No:

29682-53-9

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

Recommended Use: Laboratory Chemicals

Uses advised against: No information available

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

Advanced Chemical Intermediates Limited

The Old Dairy

Tresplatt

Davidstow

Cornwall

PL32 9YD

Tel: +44 (0) 1840 261451

### 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

REGULATION (EC) No 1272/2008

Acute oral toxicity	Category 4
Acute dermal toxicity	Category 4
Acute Inhalation toxicity – Dusts and mists	Category 4
Skin corrosion/irritation	Category 2
Serious Eye Damage/Eye irritation	Category 2
Specific target organ systemic toxicity (single exposure)	Category 3

**Label Elements****Signal Word**

Warning

**Hazard Statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H302+H312+H332: Harmful if swallowed, in contact with skin or if inhaled.

**Precautionary Statements – EU (S28, 1272/2008)**

P261 Avoid breathing dust/fumes/gas/mist/vapours/spray.

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

P302 + P352 IF ON SKIN: Wash with plenty of water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P301+312 IF SWALLOWED: Call a POISON CENTER/ doctor.

**Other Hazards**

No information available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component: 5-Methyl-[1,2,3]thiadiazole-4-carboxylic acid ethyl ester

CAS: 29682-53-9

EC No:

### 4. FIRST AID MEASURES

**Description of first aid measures**

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes, Obtain medical attention
<b>Skin Contact</b>	wash off immediately with soap and plenty of water removing all contaminated clothes and shoes, Obtain medical attention
<b>Ingestion</b>	Clean mouth with water, Obtain medical attention
<b>Inhalation</b>	Remove from exposure, lie down. Move to fresh air if breathing is difficult, give oxygen if not breathing, give artificial respiration, Obtain medical attention

## 5. FIRE-FIGHTING MEASURES

### Extinguishing media

#### **Suitable Extinguishing Media**

Water spray Carbon dioxide (CO<sub>2</sub>) Dry chemical foam

#### **Extinguishing media which must not be used for safety reasons**

No information available

#### **Special hazards arising from the substance or mixture**

Thermal decomposition can lead to release of irritating gases and vapours

#### **Advice for fire-fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

#### **Environmental precautions**

Prevent further leakage or spillage if safe to do so

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

Sweep up or spillage and collect in suitable container for disposal. Use suitable absorbent if required. Do not let this chemical enter the environment

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Avoid contact with skin and eyes. Do not breath dust. Do not breath vapours or spray mist. Do not ingest

#### **Conditions for Safe Storage, including and incompatibilities**

Keep in a dry, cool and well-ventilated place. Keep container tightly closed.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

#### **Exposure limits**

Not applicable

#### **Derived No Effect Level (DNEL)**

No information available

#### **Predicted No Effect Concentration (PNEC)**

No information available

### Exposure Controls

#### **Engineering Measures**

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to workstation location.

#### **Personal Protective Equipment**

1. **Eye protection**
2. **Hand protection**
3. **Skin and body protection**
4. **Respiratory protection**

Goggles

Protective gloves

Wear appropriate protective gloves and clothing to prevent skin exposure

Follow the OSHA respirator regulations found in 29 CFR 1910.134 OR European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

#### **Hygiene Measures**

Handle in accordance with good industrial hygiene practice

#### **Environmental Exposure Controls**

No information available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Low melt solid
<b>Appearance</b>	Yellow oil / low melt solid
<b>Boiling Point/Range</b>	
<b>Melting Point/Range</b>	
<b>Flash Point</b>	
<b>Molecular Formula</b>	C <sub>6</sub> H <sub>8</sub> N <sub>2</sub> O <sub>2</sub> S
<b>Molecular Weight</b>	172.21

## 10. STABILITY AND REACTIVITY

### Reactivity

#### **Chemical Stability**

Stable under normal conditions

#### **Possibility of Hazardous Reactions**

Hazardous Polymerization

No information available

Hazardous Reactions

No information available

#### **Conditions to Avoid**

Incompatible products. Heat.

#### **Incompatible Materials**

Acids, bases, strong oxidizing agents, strong reducing agents,

#### **Hazardous Decomposition Products**

In combustion emits toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects

#### Acute Toxicity

**Product Information** No acute toxicity information available for product

#### Component Information

#### Chronic Toxicity

**Carcinogenicity** There are no known carcinogenic chemicals in product

**Sensitization** No information available

**Mutagenic Effects** No information available

**Reproductive Effects** No information available

**Developmental Effects** No information available

**Target Organs** No information available

**Other Adverse Effects** The toxicological properties have not been fully investigated

**Endocrine Disruptor Information** None known

## 12. ECOLOGICAL INFORMATION

### Toxicity

**Eco-toxicity Effects** Do not empty into drains

**Persistence and Degradability** No information available

**Bio-accumulative Potential** No information available

**Mobility in Soil** No information available

**Other adverse effects** No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

**Waste from Residues/Unused Products** Dispose of in accordance with local regulations

**Contaminated Packaging** Empty containers should be taken for local recycling, recovery or waste disposal

## 14. TRANSPORT INFORMATION

### IMDG/IMO

Not regulated

### ADR

Not regulated

### IATA

Not regulated

## 15. REGULATORY INFORMATION

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

#### Chemical Safety Assessment

A Chemical safety assessment has not been carried out.

#### International Inventories

## 16. OTHER INFORMATION

**Revision Date** 09/06/2020

**Version Number** 1.2

**Revision Summary** Not Applicable

**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

### Disclaimer

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