

## ACI SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

Product Description:

5-Chloro-3-trifluoromethyl-[1,2,4]thiadiazole

Cat No:

RH-10B-009

CAS No:

672-35-5

#### 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 2A
Specific target organ systemic toxicity (single exposure)	Category 3

#### Label Elements



#### Signal Word

#### Warning

#### Hazard Statements

H302 – Harmful if swallowed

H315 – Causes skin irritation

H319 – Causes serious eye irritation

H332 – Harmful if inhaled

H312 – Harmful in contact with skin

H335 – May cause respiratory irritation

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

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

P302 + P352 – IF ON SKIN : Wash with plenty of soap and water

P261 – Avoid breathing dust/fume/gas/mist/vapours/spray

P301 + P312 – IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, continue rinsing.

#### Other Hazards

No information available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component: 5-Chloro-3-trifluoromethyl-[1,2,4]thiadiazole

CAS: 672-35-5

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 (CO2) 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

<b>Exposure limits</b>	Not applicable
<b>Derived No Effect Level (DNEL)</b>	No information available
<b>Predicted No Effect Concentration (PNEC)</b>	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**  
Goggles
- 2. Hand protection**  
Protective gloves
- 3. Skin and body protection**  
Wear appropriate protective gloves and clothing to prevent skin exposure
- 4. Respiratory protection**  
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>	Liquid
<b>Appearance</b>	Pale yellow
<b>Boiling Point/Range</b>	
<b>Melting Point/Range</b>	
<b>Flash Point</b>	
<b>Molecular Formula</b>	C3ClF3N2S
<b>Molecular Weight</b>	188.56

## 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**

10-Jul-2019

**Revision Summary**

Not Applicable

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

**Disclaimer**

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