

## ACI SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

Product Description: 6-Piperazin-1-yl-nicotinonitrile

Cat No: ACI-00250

CAS No: 149554-29-0

#### 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.

P305+P338+P351 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: 6-Piperazin-1-yl-nicotinonitrile

CAS: 149554-29-0

EC No:

### 4. FIRST AID MEASURES

#### Description of first aid measures

**Eye Contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes, Obtain medical attention

**Skin Contact** wash off immediately with soap and plenty of water removing all contaminated clothes and shoes, Obtain medical attention

**Ingestion** Clean mouth with water, Obtain medical attention

**Inhalation**

Remove from exposure, lie down. Move to fresh air if breathing is difficult, give oxygen if not breathing, give artificial respiration, Obtain medical attention

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| <b>5. FIRE-FIGHTING MEASURES</b> |
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**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.

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| <b>6. ACCIDENTAL RELEASE MEASURES</b> |
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**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

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| <b>7. HANDLING AND STORAGE</b> |
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**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.

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| <b>8. EXPOSURE CONTROLS/PERSONAL PROTECTION</b> |
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**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

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| <b>9. PHYSICAL AND CHEMICAL PROPERTIES</b> |
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|----------------------------|----------|
| <b>Physical State</b>      | Solid    |
| <b>Appearance</b>          | Beige    |
| <b>Boiling Point/Range</b> |          |
| <b>Melting Point/Range</b> |          |
| <b>Flash Point</b>         |          |
| <b>Molecular Formula</b>   | C10H12N4 |
| <b>Molecular Weight</b>    | 188.23   |
|                            |          |

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| <b>10. STABILITY AND REACTIVITY</b> |
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**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-May-2023

**Version Number** 1.0

**Revision Summary** Not Applicable

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

### **Disclaimer**

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