

## ACI SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

Product Description:

**((S)-5-Oxo-pyrrolidin-2-yl)-acetic acid**

Cat No:

**ACI-05060**

CAS No:

**61884-75-1**

#### 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

H302 – Harmful if swallowed

H315 – Causes skin irritation

H320 – Causes eye irritation

H335 – May cause respiratory irritation

#### 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.

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: **((S)-5-Oxo-pyrrolidin-2-yl)-acetic acid**

CAS: **61884-75-1**

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

**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**

<ol style="list-style-type: none"> <li>1. <b>Eye protection</b></li> <li>2. <b>Hand protection</b></li> <li>3. <b>Skin and body protection</b></li> <li>4. <b>Respiratory protection</b></li> </ol>	<p>Goggles</p> <p>Protective gloves</p> <p>Wear appropriate protective gloves and clothing to prevent skin exposure</p> <p>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.</p>
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**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>	Solid
<b>Appearance</b>	Beige
<b>Boiling Point/Range</b>	
<b>Melting Point/Range</b>	
<b>Flash Point</b>	
<b>Molecular Formula</b>	C6H9NO3
<b>Molecular Weight</b>	143.14

**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**

04-Nov-2019

##### **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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