

## SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier****Product Description:****Cat No:****CAS No:**

1-Acetyl-piperidine-4-carbonyl chloride

TB-05H-001

59084-16-1

**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 1
Serious Eye Damage/Eye Irritation	Category 1

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

Danger

**Hazard Statements**

H302: Harmful if swallowed

H332: Harmful if inhaled

H314 – Causes severe skin burns and eye damage

H318: Causes serious eye damage

EUH029 – Contact with water liberates toxic gas

EUH014 – Reacts violently with water

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

P301 + P330 + P331 – IF SWALLOWED: rinse mouth. Do NOT induce vomiting

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

P280 – Wear eye protection/face protection

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

P310 – Immediately call a POISON CENTRE or doctor/physician

P402 + P404 – Store in a dry place. Store in a closed container

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

**Other Hazards**

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Component**

1-Acetyl-piperidine-4-carbonyl chloride

**CAS No:**

59084-16-1

**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**

Do not induce vomiting Call a physician immediately

**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**

Contact with water liberates toxic gas. Water reactive. Produce flammable gases on contact with water

**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**

Soak up with inert absorbent material (e.g. Sand, silica gel, acid binder, universal binder, sawdust) Keep in suitable and closed containers for disposal Wear self-contained breathing apparatus and protective suit. Do not expose spill to water.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling**

Do not breath dust, do not breath vapours or spray mist. Do not get in eyes, on skin, or on clothing. Use only in area provided with appropriate exhaust ventilation. Do not allow contact with water because of violent reaction. Keep under nitrogen.

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

Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Protect from moisture. Never allow product to get in contact with water during storage. Keep under nitrogen.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control Parameters**

**Exposure limits**

This product, as supplied does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

**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

Physical State	SOLID
Appearance	Off white
Boiling Point/Range	
Melting Point/Range	
Flash Point	
Molecular Formula	C8H12ClNO2
Molecular Weight	189.64

## 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, water

**Hazardous Decomposition Products**

In combustion emits toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

**Information on Toxicological Effects**

**Acute Toxicity**

No acute toxicity information available for product

**Product Information**

**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

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants

#### 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

UN-No		3261
Hazard class	8	
Packing group	ii	
Proper Shipping Name	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	

### ADR

UN-No		3261
Hazard class	8	
Packing group	ii	
Proper Shipping Name	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	

### IATA

UN-No		3261
Hazard Class	8	
Packing Group	ii	
Proper Shipping Name	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	

## 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

##### Legend

TSCA – United States Toxic Substances Control Act section 8(b) Inventory  
EINECS/ELINCS – European inventory lists  
DSL/NDSL – Canadian domestic substances list/non domestic substances list  
PICCS – Philippines Inventory of chemicals and chemical substances  
ENCS – Japan existing and new chemical substances  
CHINA – China inventory of existing chemical substances  
AICS – Inventory of chemical substances  
KECL – Existing and evaluated chemical substances

## 16. OTHER INFORMATION

### Revision Date

02-Jan-2019

### Revision Summary

Not Applicable

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

### Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.