

## ACI SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

Product Description:

Cat No:

CAS No:

1-Methyl-1-phenyl-thiourea

ACI-01570

4104-75-0

#### 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 3

#### Label Elements



Signal Word

Danger

#### Hazard Statements

H301 Toxic if swallowed.

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

P260 – Do not breathe dust/fumes/gas/mist/vapours/spray.

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

P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

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

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.

P309 – IF exposed or you feel unwell:

P310 – Immediately call a POISON CENTER or doctor/physician.

#### Other Hazards

No information available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component: 1-Methyl-1-phenyl-thiourea

CAS: 4104-75-0

EC No:

### 4. FIRST AID MEASURES

#### Description of first aid measures

##### 1. Description of first aid measures

**Skin Contact** IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

**Eye Contact** If eye irritation persists: Get medical advice/attention.

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

**Ingestion** IF SWALLOWED: Do not induce vomiting. Immediately call a POISON CENTRE or doctor/physician.

**Inhalation** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Most Important Symptoms and Effects

No data.

Indication of any Immediate Medical Attention

No additional measures required.

**5. FIRE-FIGHTING MEASURES**

Extinguishing media

**Suitable Extinguishing Media**

Carbon dioxide (CO<sub>2</sub>), Dry chemical powder or foam. Sand. Water.

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

No information available

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

In combustion emits carbon oxides, nitrogen oxides and sulfur oxides

**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

Do not attempt to take action without suitable protective clothing – see section 8 of SDS.

Do not create dust.

Evacuate the area immediately.

Environmental precautions

Do not discharge into drains or rivers.

Discharge into the environment must be avoided

Methods and material for containment and cleaning up

Mix with sand or vermiculite.

Transfer to a closable, labelled salvage container for disposal by an appropriate method.. Do not let this chemical enter the environment

**7. HANDLING AND STORAGE**

Precautions for Safe Handling

**Safe Handling** Ensure there is sufficient ventilation of the area.

Do not eat, drink or smoke when using this product.

Remove/take off immediately all contaminated clothing.

Protection against explosions and fires: Avoid all sources of ignition – do not smoke.

Take off contaminated clothing and wash before reuse.

Wash hands thoroughly after handling.

Conditions for Safe Storage, including and incompatibilities

Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Do not store in conditions of high (or highly fluctuating) temperature.

Store away from oxidising agents

Specific End Uses

The end use(s) have not been fully determined. The substance is supplied for Research and Development purposes by professionals only.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Control Parameters

**Exposure limits**

Not applicable

**Derived No Effect Level (DNEL)**

No information available

**Predicted No Effect Concentration**

No information available

(PNEC)

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>	Solid
<b>Appearance</b>	Beige
<b>Boiling Point/Range</b>	
<b>Melting Point/Range</b>	
<b>Flash Point</b>	
<b>Molecular Formula</b>	C8H10N2S
<b>Molecular Weight</b>	166.25

**10. STABILITY AND REACTIVITY****Reactivity****Chemical Stability**

Stable under normal conditions

**Possibility of Hazardous Reactions**

Hazardous Reactions

No information available

**Conditions to Avoid**

Incompatible products. Heat. Avoid moist atmosphere

**Incompatible Materials**

Oxidizing 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**

Water hazard class 1 (self-assessment): slightly hazardous for water. Do not allow product to reach groundwater, water bodies or sewage system, even in small quantities.

**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	2811
Hazard class	6.1
Packing group	iii
Proper Shipping Name	Toxic solid, organic, n.o.s.

**UN-No**

UN-No	2811
Hazard class	6.1
Packing group	iii
Proper Shipping Name	Toxic solid, organic, n.o.s.

**IATA**

UN-No	2811
Hazard class	6.1
Packing group	iii
Proper Shipping Name	Toxic solid, organic, n.o.s.

## 15. REGULATORY INFORMATION

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

Product is not subject to any additional regulations

### Chemical Safety Assessment

A Chemical safety assessment has not been carried out.

### International Inventories

## 16. OTHER INFORMATION

<b>Revision Date</b>	08-Apr-2024
<b>Version Number</b>	1.1
<b>Revision Summary</b>	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.