

## SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

Product Description:

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

Cat No:

ACI-00599

CAS No:

24255-23-0

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

**Classification according to EU Directives 67/548/EEC Or 1999/45/EC**

For the full text of the R phrases mentioned in this section, see section 16

Symbol(s) Xn – Harmful

R – phrase(s) None

Risk Combination Phrases R20/21/22 – Harmful by inhalation, in contact with skin and if swallowed

R36/37/38 – Irritating to eyes, respiratory system and skin

**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/vapors/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-phenyl-[1,2,4]thiadiazole

CAS No: 24255-23-0

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

<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 breathe dust. Do not breathe 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. <b>Eye protection</b>           | Goggles   |
| 2. <b>Hand protection</b>          | Protective gloves   |
| 3. <b>Skin and body protection</b> | Wear appropriate protective gloves and clothing to prevent skin exposure  |
| 4. <b>Respiratory protection</b>   | 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>	pale yellow solid
<b>Boiling Point/Range</b>	-
<b>Melting Point/Range</b>	54-56
<b>Flash Point</b>	-
<b>Molecular Formula</b>	C8H5ClN2S
<b>Molecular Weight</b>	196.66

**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**

**Text of R phrases mentioned in Section 2 – 3**

R20/21/22 – Harmful by inhalation, in contact with skin and if swallowed

R36-37-38 – Irritating to eyes, respiratory system and skin

**Revision Date**

16-Nov-2010

**Revision Summary**

Not Applicable

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

**Disclaimer**

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