

# Material Safety Data Sheet

Liverpool ChiroChem Ltd., Department of Chemistry, Crown Street, Liverpool L69 7ZD, United Kingdom  
Emergency Telephone No. +44 (0) 151 794 2936

## 1. Product Identification

Chemical Name: 5-formyl-1H-indazole-3-carbonitrile  
Product No.: A0366  
CAS Registry No.: 1823867-50-0  
Synonyms:  
Chemical Family: Heterocyclic compound

## 2. Composition on Ingredients

Molecular Weight: 171.16  
Molecular Formula:  $C_9H_5N_3O$   
Purity (%): 95%

## 3. Hazard Identification

Unknown, treat as harmful.

## 4. First Aid Measures

Eyes Exposure: Immediately flush with water for at least 15 minutes. If discomfort persists, seek medical attention.  
Skin Exposure: Wash with soap for 15 minutes. If exposure is severe or irritation develops, seek medical attention.  
Inhalation: Remove to fresh air and seek medical attention. If breathing is difficult, give oxygen.  
Ingestion: Wash out mouth with water. Seek medical attention.

## 5. Fire Fighting Measures

Flash Point: Not known.  
Autoignition Temperature: Not known.  
Explosion Limits: Not known.  
Personal Protection: Wear breathing apparatus and protective clothing.  
Extinguishing Medium: Water spray, carbon dioxide, dry chemical powder or appropriate foam.  
Special Precautions: Likely to emit irritating fumes under fire conditions.  
Take reasonable care to avoid contamination of watercourses and drains

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## 6. Accidental Release Measures

Wear breathing apparatus and protective clothing; cordon off area (especially downwind).  
Mix with sand or similar inert absorbent material, sweep up and place in closed containers for waste disposal. Avoid raising dust.  
Ventilate area and thoroughly wash spill site after material pickup is complete.

## 7. Handling and Storage

Avoid contact of this material with eyes, skin and clothing.  
Use chemical-resistant gloves and impervious overalls for operations that could result in skin contact.  
Avoid breathing dust or vapours. Use local exhaust ventilation.  
Use suitable respiratory protection, such as an air hood.  
Store in closed vessels. Store at 4°C.

## 8. Exposure Controls

No official exposure limits have been set for this sample.

## 9. Chemical and Physical Properties

Appearance:	Form: Solid.
Odour:	Not known.
pH:	Not known.
Melting Point:	Data not available.
Boiling Point:	Data not available.

## 10. Stability

Chemical Stability:	Stable under recommended storage conditions.
Incompatibilities with Other Materials:	Strong oxidizing agents.
Hazardous combustion or Decomposition products:	Carbon monoxide, carbon dioxide, and nitrogen oxides.

## 11. Toxicology

No specific toxicology data is available. Sample should be treated as Harmful as a minimum precaution. Safety measures should be taken accordingly.

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## 12. Ecology

No specific ecology data is available. Do not allow to enter drains, sewers and watercourses.

## 13. Disposal

Disposal should be in according with local, state or national legislation. Dispose of as hazardous waste. Incineration is recommended.

## 14. Transportation

Shipping Name:	5-formyl-1H-indazole-3-carbonitrile
Hazard Class:	Non-hazardous for shipment
UN ID Number:	Not known
Packing Group:	Not known

## 15. Regulatory Information

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

## 16. Other Information

### Liability:

Information contained in this document is accurate to the knowledge of the publisher.  
Liverpool ChiroChem Ltd shall not be held liable for any damage resulting from handling or contact with this sample.

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