

Material Safety Data Sheet

1-tert-butyl-1H-pyrazole-4-carbonitrile

Section 1: Chemical Product and Company Identification

Product Name: 1-tert-butyl-1H-pyrazole-4-carbonitrile

Catalog Codes: ACN-000655

CAS Number: 149139-43-5

Chemical Formula: C₈H₁₁N₃

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Section 2: Composition and Information on Ingredients

Name: 1-tert-butyl-1H-pyrazole-4-carbonitrile

CAS Number: 149139-43-5

Toxicological Data on Ingredients: Not available

Section 3: Hazards Identification

EMERGENCY OVERVIEW: Appearance: white powder. Light sensitive.

Potential Acute Health Effects: Not available

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.

Skin Contact:

Wash with soap and water. Cold water may be used.

Serious Skin Contact: Not available.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Flash Point: Not available.

Autoignition Temperature: Not available.

Explosion Limits, Lower: Not available.

Upper: Not available.

NFPA Rating: Not published.

Section 6: Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

Section 7: Handling and Storage

Handling: Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing.

Storage: Store in a tightly closed container. Keep refrigerated. (Store below 4#C/39#F.)

Section 8: Exposure Controls/Personal Protection

Personal Protection: Safety glasses. Lab coat.

Personal Protection in Case of a Large Spill: Safety glasses. Lab coat.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical State: powder

Appearance: white

Odor: odorless

pH: Not available.

Vapor Pressure: Not available.

Vapor Density: Not available.

Evaporation Rate: Not available.

Viscosity: Not available.

Boiling Point: Not available.

Freezing/Melting Point: Not available.

Decomposition Temperature: Not available.

Solubility: Not available.

Specific Gravity/Density: Not available.

Molecular Formula: C₈H₁₁N₃

Molecular Weight: 149.19

Section 10: Stability and Reactivity Data

Chemical Stability: Not available.

Conditions to Avoid: Incompatible materials, light.

Incompatibilities with Other Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon dioxide, hydrogen bromide

Hazardous Polymerization: Has not been reported

Section 11: Toxicological Information

RTECS#:

CAS Number: 149139-43-5

LD50/LC50: Not available.

Carcinogenicity: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology: No data available.

Teratogenicity: No data available.

Reproductive Effects: No data available.

Neurotoxicity: No data available.

Mutagenicity: No data available.

Other Studies: The toxicological properties have not been fully investigated.

Section 12: Ecological Information

Section 13: Disposal Considerations

Section 14: Transport Information

DOT Classification: Not a DOT controlled material.

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Section 16: Other Information

Last Updated:

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Acorn PharmaTech Co., Ltd. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if ScienceLab.com has been advised of the possibility of such damages.