

Section 1 - General Information

Chemical Name:

5-Aminoimidazole-4-carboxamide

CAS Reg. Number:

360-97-4

Preparation Date/Revision Date:

10/8/2008

Manufacturer's Name:

Toronto Research Chemicals Inc.,
2 Brisbane Rd., North York, ON
Canada, M3J 2J8

Telephone Number:

416-665-9696 **Fax Number:**

416-665-4439

Section 2 - Hazardous Ingredients/Identity Information

EMERGENCY OVERVIEW Irritant., Irritating to eyes, respiratory system and skin. HMIS RATING : HEALTH: 2 :
FLAMMABILITY: 0 : REACTIVITY: 0 NFPA RATING : HEALTH: 2 : FLAMMABILITY: 0 : REACTIVITY: 0

Section 3 - Physical/Chemical Characteristics

Boiling Point:

N/A

Appearance and Odor:

White to Off-White Solid

Vapor Pressure:

N/A

Specific Gravity(H₂O=1):

N/A

Solubility in Water:

Yes

Melting Point:

170-172°C

Evaporation Rate (ButylAcetate=1):

N/A

Vapor Density:

N/A

Section 4 - Reactive Data

Stability:

Stable

Incompatibility (Materials to Avoid):

strong oxidizing agents

Conditions to Avoid:

Strong oxidizers

Hazardous Decomposition or Byproducts:

toxic fumes of Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides

Hazardous Polymerization:

will not occur

Section 5 - Control Measures

Respiratory Protection:

Niosh/Msha approved respirator

Ventilation:

Hood

Protective Gloves:

Rubber Gloves

Eye Protection:

Safety glasses

Other Protective Clothing:

Lab Coat/Apron

Other Protection:

Safety shower and eyewash

Section 6 - First Aid Measures

Inhalation:

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Skin:

In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing.

Ingestion:

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Eyes:

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.

Section 7 - Health Hazard Data**Health Hazards (Acute and Chronic):**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Exercise due care. ROUTE OF EXPOSURE Skin Contact: May cause skin irritation. Skin Absorption: May be harmful if absorbed through the skin. Eye Contact: May cause eye irritation. Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract. Ingestion: May be harmful if swallowed. TOXICITY DATA Intraperitoneal Mouse 2 GM/KG LD50 Remarks: Tumorigenic:Active as anti-cancer agent. CHRONIC EXPOSURE - CARCINOGEN Species: Rat Route of Application: Oral Dose: 6390 MG/KG Exposure Time: 21W Frequency: C Result: Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Skin and Appendages: Other: Tumors. Kidney, Ureter Bladder:Kidney tumors. CHRONIC EXPOSURE - MUTAGEN Species: Rat Dose: 3 MMOL/L Cell Type: Other cell types Mutation test: Unscheduled DNA synthesis Species: Rat Dose: 3 MMOL/L Cell Type: Other cell types Mutation test: Other mutation test systems

Medical Conditions Generally Aggravated by Exposure:

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Section 8 - Precautions for Safe Handling and Use**Steps to be Taken in Case Material is Released or Spilled:**

Wear protective equipment. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Waste Disposal Method:

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

Precautions to Be Taken in Handling and Storage:

Avoid prolonged or repeated exposure. Keep tightly closed. Store in a cool dry place.

Section 9 - Fire and Explosion Hazard Data**Extinguishing Media:**

Water spray. Carbon dioxide, dry chemical powder or appropriate foam.

Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards:

Emits toxic fumes under fire conditions.

Section 10 - Transportation Information and regulatory information

DOT Proper Shipping Name: None Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport. IATA Non-Hazardous for Air Transport: Non-hazardous for air transport.