

**Section 1 - General Information****Chemical Name:**

2-(Dimethylamino)guanosine

**CAS Reg. Number:**

2140-67-2

**Preparation Date/Revision Date:**

3/27/2006

**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**

The toxicological properties of this compound have not been thoroughly investigated. Exercise due care.

**Section 3 - Physical/Chemical Characteristics****Boiling Point:**

N/A

**Appearance and Odor:**

N/A

**Vapor Pressure:**

N/A

**Specific Gravity(H<sub>2</sub>O=1):**

N/A

**Solubility in Water:**

N/A

**Melting Point:**

N/A

**Evaporation Rate (ButylAcetate=1):**

N/A

**Vapor Density:**

N/A

**Section 4 - Reactive Data****Stability:**

Stable

**Incompatibility (Materials to Avoid):**

Strong oxidizers

**Conditions to Avoid:**

strong oxidizing agents

**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:**

Chemical Resistant Gloves

**Eye Protection:**

Safety Goggles

**Other Protective Clothing:**

lab coat and apron

**Other Protection:**

safety shower, eye wash

**Section 6 - First Aid Measures****Inhalation:**

Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

**Skin:**

Immediately flush skin with copious amounts of water for at least 15 min while removing contaminated clothing and shoes.

**Ingestion:**

If swallowed, wash out mouth with water provided person is conscious. Call a physician. Remove and wash contaminated clothing immediately.

**Eyes:**

Immediately flush eyes with copious amounts of water for at least 15 min. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

**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.

**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 respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust.

**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:**

Keep tightly closed. Store in a cool dry place. Possible mutagen. Irritant.

**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.