

N1-Guanyl-1,7-diaminoheptane (GC7): sc-396111



MATERIAL SAFETY DATA SHEET

The Power to Question

Section I. Product and Company Information

Product Name: N1-Guanyl-1,7-diaminoheptane (GC7)

Product Number: sc-396111

Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, CA 95060
800.457.3801 or 831.457.3800

Emergency: ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

Section II. Composition and Information on Ingredients

Major Constituent: N1-Guanyl-1,7-diaminoheptane (GC7)

CAS Number: 150333-69-0

Toxicology Data: Not available

TLV/PEL: Not available

Section III. Hazards Identification

Acute Health Effects:

No specific information is available in our database regarding the toxic effects of this material for humans. However, exposure to any chemical should be kept to a minimum. Skin and eye contact may result in irritation. May be harmful if inhaled or ingested. Always follow safe industrial hygiene practices and wear proper protective equipment when handling this compound.

Chronic Health Effects:

Carcinogenic Effects: Not available

Mutagenic Effects: Not available

Teratogenic Effects: Not available

Developmental Toxicity: Not available

Hazards:

Hygroscopic.

Section IV. First Aid Measures

Eye Contact:

Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used. DO NOT use an eye ointment. Seek medical attention. Treat symptomatically and supportively.

Skin Contact:

After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin, particularly skin folds and creases, with running water and non-abrasive soap. COLD water may be used. Cover the irritated skin with an emollient. Seek medical attention. Treat symptomatically and supportively. Wash any contaminated clothing before reusing.

Inhalation:

If the victim is not breathing, perform artificial respiration. Loosen tight clothing such as a collar, tie, belt, or waistband. If breathing is difficult, oxygen can be administered. Seek medical attention. Treat symptomatically and supportively.

Ingestion:

If the victim is not breathing, perform artificial respiration with a mouthguard. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Seek immediate medical attention and, if possible, show the chemical label. Treat symptomatically and supportively.

Section V. Fire and Explosion Hazard Data**Flammability:**

May be combustible at high temperature.

Combustion Products:

Combustion product include toxic carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂).

Fire Hazards:

No specific information is available regarding the flammability of this compound in the presence of various materials.

Explosion Hazards:

Risk of explosion by mechanical impact: Not available

Risk of explosion by static discharge: Not available

No additional information is available regarding the risks of explosion.

Fire Fighting Media and Instructions:

SMALL FIRE: Use dry chemicals, CO₂, water spray or foam.

LARGE FIRE: Use water spray, fog, or foam. DO NOT use water jet.

Section VI. Accidental Release Measures**Spill Cleanup Instructions:**

In case of a spill and/or leak, always shut off any sources of ignition, ventilate the area, and exercise caution. Use a shovel to put the material into a convenient waste disposal container. Finish cleaning the spill by rinsing any contaminated surfaces with copious amounts of water. Consult federal, state, and/or local authorities for assistance on disposal.

Section VII. Handling and Storage**Handling Precautions:**

Use standard handling procedures. Store away from incompatible compounds such as oxidizing agents.

Storage Conditions:

Desiccate at room temperature.

Section VIII. Exposure Controls and Personal Protection**Engineering Controls:**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fumes, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:

Splash goggles, lab coat, dust respirator, boots, and thick chemical-resistant gloves. Suggested protective equipment might not be sufficient. Consult a specialist before handling this product.

Section IX. Physical and Chemical Properties

Form:	solid	Solubility:	no data available
Molecular Weight:	270.35	Formula:	C ₈ H ₂₂ N ₄ O ₄ S
Vapor Pressure:	no data available	Boiling Point:	no data available
Percent Volatile:	no data available	Melting Point:	no data available
Flammable Limits:	no data available	Auto-Ignition:	no data available
Flash Points:	no data available		

Section X. Stability and Reactivity Data

Reactivity:

This material is stable when stored as directed (see section VII).

Section XI. Toxicological Information

RTECS Number:

Not available.

Routes of Exposure:

Eye/skin contact, Ingestion, Inhalation

TLV/PEL:

Not available

Toxicity Data:

Not available

Section XII. Ecological Information

Ecotoxicity:

Not available.

Environmental Fate:

Not available.

Section XIII. Disposal Considerations

Waste Disposal:

Recycle to process, if possible. Consult your local or regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state, and local regulations when disposing of this substance.

Section XIV. Transport Information

Transportation:

DOT Classification:

Not a DOT controlled substance (United States).

PIN Number:

Not applicable

Proper Shipping Name:

Not applicable

Packing Group (PG):

Not applicable

Section XV. Other Regulatory Information

Other Regulatory Information:

TSCA Chemical Inventory (EPA):

This compound is ON the EPA Toxic Substances Control Act (TSCA) inventory list.

WHMIS Classification (Canada):

Not available

EINECS Number (EEC):

Not available

EEC Risk Statements:

Not available

Japanese Regulatory Data:

Not available

Section XVI. Other Information

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

4/03/2014