Section 1 - Product and Company Information

Product Name: Fast Garnet GBC sulfate salt  
Product Number: F8761  
Brand: Sigma-Aldrich  
Company: Sigma-Aldrich  
Address: 3020 Spruce Street  
City, State, Zip, Country: SAINT LOUIS, MO 63103 US  
Technical Phone: 602-325-5932  
Emergency Phone: 314-776-5555  
Fax: 602-325-5052

Section 2 - Composition/Information on Ingredient

Substance Name: FAST GARNET GBC SALT  
CAS #: 101-89-3  
SARA 313: No  
EC No: 202-685-4  
Annex I Index Number: 
Formula: C14H14N4O4S

Section 3 - Hazards Identification

Emergency Overview:  
Toxic. 
May cause cancer. 
Probable Carcinogen (US).

HMIS Rating:  
Health: 0  
Flammability: 0  
Reactivity: 0

NFPA Rating:  
Health: 0  
Flammability: 0  
Reactivity: 0

*Additional chronic hazards present.

For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

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

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

Dermal Exposure:  
In case of contact, immediately wash skin with soap and copious amounts of water.

Section 5 - Fire Fighting Measures

Autoignition Temp: N/A

Extinguishing Media:  
Suitable: Water spray. Carbon dioxide. Dry chemical powder, or appropriate foam.

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

Specific Hazard(s):  
Emits toxic fumes under fire conditions.

Section 6 - Accidental Release Measures

Procedure to be Followed in Case of Leak or Spill:  
Evacuate area.

Procedure(e)s of Personal Precaution(s):  
Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves/ | ear | disposable coveralls and discard them after use.

Methods for Cleaning Up:  
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.

Section 7 - Handling and Storage

Handling:  
User Exposure:  
Do not breathe dust. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure.

Storage:  
Suitable:  
Keep tightly closed. Store at -20°C

Section 8 - Exposure Controls / PPE

Engineering Controls:  
Use only in a chemical fume hood. Safety shower and eyewash.

Personal Protective Equipment:  
Respiratory:  
Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU) Where risk assessment shows air-purifying respirators are appropriate, use a half-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Hand:  
Chemically resistant gloves.

Eye:  
Chemical safety goggles.
Section 9 - Physical/Chemical Properties

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Section 10 - Stability and Reactivity

Stability: Stable
Materials to Avoid: Strong oxidizing agents, strong bases

Hazardous Decomposition Products:
- Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulfur oxides

Section 11 - Toxicological Information

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: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.
- Ingestion: May be harmful if swallowed.

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

RTECS Number: N/A

Chronic Exposure: Carcinogen
Result: This product is the diazonium sulfate form of Fast Garnet GBC, which is considered to be carcinogenic. Exercise caution when working with this product because of the possible in vivo conversion to Fast Garnet GBC.

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation
- Contact a licensed professional waste disposal service to dispose of this material.
- Observe all federal, state, and local environmental regulations.
- (DN) Requires special label: "Contains a substance which is regulated by Danish work environmental law due to the risk of carcinogenic properties."

Section 14 - Transport Information

DOT
- Proper Shipping Name: None
- Non-Hazardous for Transport: This substance is considered to be nonhazardous for transport.

IATA
- Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information

EU Additional Classification
- Symbol of Danger: T
- Indication of Danger: Toxic
- Risk Statements: R: 45
- May cause cancer
- Safety Statements: S: 53 45
- Avoid exposure - obtain special instructions before use in case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
US Classification and Label Text

Indication of Danger

Toxic

Risk Statements

May cause cancer.

Safety Statements

Do not breathe dust. Avoid exposure - obtain special instructions before use. Wear suitable protective clothing, gloves, and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

US Statements

Probable Carcinogen (US).

United States Regulatory Information

SARA Listed: No

Canada Regulatory Information

WHMIS Classification

This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

D. B. L.: Yes

NDSL: No

Section 16 - Other Information

Disclaimer

For R&D use only. Not for drug, household or other uses.

Warranty

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright © 2009 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.