

AERCHEM INC.
320 North Walnut
Bloomington, IN 47404

Tel: 812.334.9996 Fax: 812.334.1960 Emergency: 800.424.9300

SECTION 1: IDENTIFICATION

Effective Date:

Product Name: Germanium Sesquioxide

Molecular Formula: C₆H₁₀Ge₂O₇

CAS No.: 12758-40-6 and 27031-31-8

SECTION 2: HAZARDOUS INGREDIENTS:

SECTION 3: PHYSICAL DATA

Odor: odorless
Appearance: white, microcrystalline solid
Melting point.: >320 C
Boiling point: N/A
Decomposition temperature: N/A
pH (depends on quality): N/A
Solubility in water: 1.19 mg/100 ml at 31 C
Specific gravity (water = 1) N/A
Vapor density: N/A
Vapor pressure: N/A

SECTION 4: FIRE AND EXPLOSION DATA

Flash point: N/A
Flammable limit: N/A
Flammability: non-combustible
Extinguishing media: none specific
Fire fighting procedures: Use extinguishing media appropriate for surrounding fire conditions.
Unusual fire and explosions hazards: none

SECTION 5: REACTIVITY DATA

Stable X Unstable

Decomposition byproducts: Carbon dioxide and carbon monoxide

Incompatibilities/Condition to Avoid: Strong oxidizing agents, strong acids, strong bases.

Hazardous Polymerization: will not occur.

SECTION 6: HEALTH HAZARD DATA

Toxicity: oral, mouse; LD₅₀ 2110 mg/kg, no toxic effect noted.

Route of Entry: N/A

Permissible Exposure limits: N/A

TWA: N/A

TLV: N/A

SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES

Spillage: Wear respirator, safety goggles, boots and heavy rubber gloves. Sweep up, place in container and hold for waste disposal. Wash spill site after material pickup complete.

Disposal: Bury in landfill site approved for disposal of chemical waste. Observe all federal, state and local disposal regulations.

SECTION 8: FIRST AID PROCEDURES

Eye Contact: Wash immediately with copious amounts of water for >15 minutes.

Skin Contact: Immediately wash with soap and water.

Inhalation: Move to fresh air. If not breathing, administer artificial respiration. If breathing difficult, give oxygen.

Ingestion: Ingestion of small amounts not known to cause ill effect.

SECTION 9: HANDLING AND STORAGE INFORMATION: Avoid contact as much as possible; do not breath dust, or get into eyes, and wash after handling. Store in cool dry place.

SECTION 10: SPECIAL PROTECTION INFORMATION:

Ventilation: Mechanical exhaust.

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Skin Protection: Impermeable gloves.
Eye Protection: Chemical safety goggles.
Respiratory Protection: OSHA/MSHA approved respirator.
Other:

SECTION 11: TRANSPORT INFORMATION

DOT Classification: not a regulated material.

SECTION 12: OTHER REGULATORY INFORMATION

Federal and State regulations:

WHMIS (Canada): N/A

DSCL (EEC): N/A

HMIS (USA): N/A

The above information is believed to be correct. However, no warranty is made, either expressed or implied, regarding its accuracy or the results to be obtained from the use of such information. AerChem Inc shall not be held liable for any damage resulting from handling or from contact with the above product.