

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Strontium Gallium Sulfide

Chemical Formula: SrGa_2S_4

Manufacturer Item Number: ST-4920

Manufacturer: Lorad Chemical Corporation
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2. HAZARD IDENTIFICATION

Signal Word: Danger

Pictograms:



Hazard Statements: H314 Causes severe skin burns and eye damage.

Precautionary Statements:

H260 Do not breathe dust or mist.
H264 Wash skin thoroughly after handling.
H280 Wear protective gloves / protective clothing / eye protection / face protection.
H301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353 IF ON SKIN (or hair): Remove / take off immediately all contaminated clothing. Rinse skin with water / shower.
P304+340 IF INHALE: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or physician.
P321 Specific treatment (see supplemental first aid instructions on this label).
P363 Wash contaminated clothing before reuse.
P405 Store locked up.
P501 Dispose of contents / container to an approved waste disposal plant.

HMIS Health Ratings (0-4)

- Health: 3
- Flammability: 0
- Physical: 0

3. COMPOSITION

Additional Names: Strontium Thiogallate, Strontium Digallium Tetrasulphide

Percentage: 100wt%

CAS #: 12592-70-0

EC #: 235-711-7

4. FIRST AID PROCEDURES

General Treatment Consult a physician. Show this SDS to the doctor in attendance. Move out of dangerous area.

Special Treatment: No Data Available.

Important Symptoms: The most important known symptoms and effects are described in the labelling (Section 2) and / or in Section 11.

Inhalation: In breathing in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Skin: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

Eyes: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinse eyes during transport to hospital.

5. FIREFIGHTING MEASURES

Flammability: Not Flammable

Special Hazards from Substance: Sulphur Oxides, Strontium Oxides, Gallium Oxides

Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

If Material is Released / Spilled: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Sweep up or vacuum up spillage and collect in suitable closed container for disposal. Dispose of waste in accordance with applicable federal, state, local, and provincial environmental regulations.

Environmental Precautions: Prevent further leakage or spills if safe to do so. Do not allow to enter drains, sewers, or watercourses. Discharge into the environment must be avoided.

7. HANDLING AND STORAGE

Handling Conditions: Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Storage Conditions: Keep container tightly closed in a dry and well-ventilated place. Avoid moisture.

Work / Hygienic Maintenance: Handle in accordance with good industrial hygiene and safety practices. Do not eat, drink, or smoke when using this product.

Ventilation: Ensure adequate ventilation. Provide appropriate exhaust ventilation at places where dust is formed.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Permissible Exposure Limits:	No Data Available.
Threshold Limit Value:	No Data Available.
Special Equipment:	No Data Available.
Respiratory Protection:	Where risk assessment shows air-purifying respirators are appropriate use a full-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-faced supplied air respirator. Use respirator and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Protective Gloves:	Handle with gloves. Gloves must be inspected prior to use, use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Eye Protection:	Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Body Protection:	Complete suit protecting against chemicals. This type of protective equipment must be selected according to the concentration and amount of dangerous substance at the specific workplace.

9. PHYSICAL AND CHEMICAL CHARACTERISTICS

Color:	Yellowish / Greenish
Forms:	Solid
Odor:	No Data Available.
Water Solubility:	No Data Available.
Boiling Point:	No Data Available.
Melting Point:	No Data Available.
Flash Point:	No Data Available.
Autoignition Temperature:	No Data Available.
Density:	No Data Available.
Molecular Weight:	355.33 g/mol

10. REACTIVITY

Stability:	Stable under recommended storage conditions.
Reacts with:	Strong oxidizing agents, strong bases, acids.
Incompatible Conditions:	Avoid moisture.
Hazardous Decomposition Products:	In the event of fire, see Section 5.

11. TOXICOLOGICAL INFORMATION

Potential Health Effects:

- Eyes	No Data Available.
- Skin	No Data Available.
- Ingestion	No Data Available.
- Inhalation	No Data Available.
- Chronic	No Data Available.

Signs and Symptoms: No Data Available.

Aggravate Medical Conditions: Material is destructive to the tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Spasm, inflammation and edema of the larynx, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, or nausea may occur.

Median Lethal Dose: No Data Available.

Carcinogen: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity: No Data Available.

Persistence and degradability: No Data Available.

Bioaccumulative potential: No Data Available.

Notes: No Data Available.

13. DISPOSAL CONSIDERATIONS

Disposal: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Empty containers should be taken to an appropriate waste handling site for recycling or disposal. Dispose of in accordance with local, state, or national regulations.

14. TRANSPORTATION DATA

Hazardous: Hazardous for Transportation

Pictogram:



Hazard Class: 8

Packing Group: III

SAFETY DATA SHEET

UN Number:	UN3262
Proper Shipping Name:	DoT: Corrosive solid, basic, inorganic, n.o.s. (Strontium Gallium Sulfide) Marine pollutant: No. Poison inhalation hazard: No. IMDG: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Strontium Gallium Sulfide) EMS-No: F-A, S-B Marine pollutant: No. IATA: Corrosive solid, basic, inorganic, n.o.s. (Strontium Gallium Sulfide)

15. REGULATORY INFORMATION

SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards	Acute Health Hazard
Massachusetts Right to Know Components	No components are subject to the Ma. Right to Know Act.
Pennsylvania Right to Know Components	Strontium Gallium Sulfide (CAS No. 12592-70-0)
New Jersey Right to Know Components	Strontium Gallium Sulfide (CAS No. 12592-70-0)
California Prop. 65 Components	This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

Copyright 2017 Lorad Chemical Corporation. 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 does not constitute a hazard assessment and should not be used in place of the user's own assessment of work place risks as required by other health and safety legislation. The information in this sheet does not represent a guarantee of the properties of the product. Lorad Chemical Corporation and its Affiliates make no warranty with respect to the accuracy of the information or the suitability of this product for any particular application, and shall not be held liable for any damage resulting from handling or from contact with the above product.

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