

LTS Research Laboratories, Inc. Safety Data Sheet Holmium Iron Garnet

1. Product and Company Identification

Trade Name: Holmium Iron Garnet

Chemical Formula: Ho₃Fe₅O₁₂

Recommended Use: Scientific research and development

Manufacturer/Supplier: LTS Research Laboratories, Inc.

Street: 37 Ramland Road
City: Orangeburg
State: New York
Zip Code: 10962
Country: USA

Tel #: 855-587-2436 / 855-lts-chem

24-Hour Emergency Contact: 800-424-9300 (US & Canada)

+1-703-527-3887 (International)

2. Hazards Identification

Signal Word: Not a hazardous substance or mixture

Hazard Statements: N/A
Precautionary Statements: N/A

HMIS Health Ratings (0-4):

Health:

Flammability: Physical:

Research Thoratories, Inc

3. Composition

Chemical Family: Ceramic Additional Names: N/A

Holmium Iron Garnet (Ho₃Fe₅O₁₂):

Percentage: 100 wt% CAS #: N/A EC #: N/A

4. First Aid Procedures General Treatment: Seek medical attention if symptoms persist. Special Treatment: None Important Symptoms: None Remove victim to fresh air. Supply oxygen if breathing is difficult. Inhalation: Keep patient warm. Seek immediate medical attention. Ingestion: Seek immediate medical attention. Immediately wash affected area with mild soap and water. Remove any Skin: contaminated clothing. Seek immediate medical attention. Flush eyes with water, blinking often for several minutes. Remove Eyes: contact lenses if present and easy to do. Continue rinsing. Seek immediate medical attention. 5. Firefighting Measures Flammability: Non-flammable **Extinguishing Media:** No special restrictions – use suitable extinguishing agent for surrounding material and type of fire. Spec. Fire Fighting Procedure: Use full-face, self-contained breathing apparatus with full protective clothing to prevent contact with skin and eyes. See section 10 for decomposition products. 6. Accidental Release Measures Wear appropriate respiratory and protective equipment specified in If Material Is Released/Spilled: special protection information. Keep unprotected persons away. Isolate spill area and provide ventilation. Vacuum up spill using a high efficiency particulate absolute (HEPA) air filter and place in a closed container for disposal. Take care not to raise dust. **Environmental Precautions:** Isolate runoff to prevent environmental pollution. 7. Handling and Storage **Handling Conditions:** Wash thoroughly after handling. **Storage Conditions:** Store in a cool dry place in a tightly sealed container. Store apart from materials and conditions listed in section 10. Do not use tobacco or food in work area. Wash thoroughly before Work/Hygienic Maintenance: eating and smoking. Do not blow dust off clothing or skin with compressed air. Ventilation: Provide sufficient ventilation to maintain concentration at or below threshold limit. 8. Exposure Controls and Personal Protection Permissible Exposure Limits: N/A Threshold Limit Value: N/A Special Equipment: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. **Respiratory Protection: Dust Respirator** Nitrile rubber gloves with minimum thickness of 0.11 mm **Protective Gloves:** Eve Protection: Safety glasses or goggles **Body Protection:** Protective work clothing. Wear close-toed shoes and long

sleeves/pants.

N/A Powder, Granules, Pellets, Sputtering target, Custom parts
Odorless
Insoluble
N/A
N/A
N/A
N/A N/A
N/A
966.01 g/mol
10. Reactivity
Stable under recommended storage conditions
Oxidizing agents
None
Metal oxide fume
11. Toxicological Information
May cause irritation
May cause irritation
May cause irritation
May cause irritation
N/A
The Research
N/A honetories, Inc.
N/A
N/A
N/A
12. Ecological Information
N/A
N/A
N/A
Do not allow undiluted product or large quantities to reach ground
water, water course or sewage system
Avoid transfer into the environment.
13. Disposal Considerations
national, and international regulations.
14. Transportation Data
Not hazardous for transportation.
N/A
N/A
11/12
N/A

No	
N/A	
No	
	N/A

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

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