

LTS Research Laboratories, Inc. Safety Data Sheet Gallium Sulfate

	1. Product and Company Identification
Trade Name:	Gallium Sulfate
Chemical Formula:	$Ga_2(SO_4)_3$
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:	Warning
	LT Chesearch
Hazard Statements:	H315: Causes skin irritation
	H319: Causes serious eye irritation
	H335: May cause respiratory irritation
Precautionary Statements:	
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	3. Composition
Chemical Family: Additional Names:	Inorganic Compound Gallium (III) Sulfate
Gallium Sulfate (Ga ₂ (SO ₄) ₃):	
Percentage:	100 wt%
CAS #:	13494-91-2
EC #:	236-816-0
	4. First Aid Procedures
General Treatment:	Seek medical attention if symptoms persist.
Special Treatment:	None
Important Symptoms:	None
Inhalation:	Remove victim to fresh air. Supply oxygen if breathing is difficult.
Ingestion:	Give one to two glasses of water. Never induce vomiting or give
	anything by mouth to an unconscious person.
Skin:	Wash affected area with mild soap and water. Remove any
	contaminated clothing.
Eyes:	Flush eyes with water, blinking often for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
	5. Firefighting Measures
	Non-flammable, except as powder
Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, sand, extinguishing powder, or alcohol-resistant foam. Do not get water into containers.
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
If Material Is Released/Spilled:	Wear appropriate respiratory and protective equipment specified in special protection information. 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
Environmental Precautions:	Take care not to raise dust. 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.
Work/Hygienic Maintenance:	Do not use tobacco or food in work area. Wash thoroughly before eating and smoking. Do not blow dust off clothing or skin with
Ventilation:	compressed air. Provide sufficient ventilation to maintain concentration at or below threshold limit.

	osure Controls and Personal Protection
Permissible Exposure Limits:	N/A
Threshold Limit Value:	N/A
Special Equipment:	None
Respiratory Protection:	Dust Respirator
Protective Gloves:	Rubber gloves
Eye Protection:	Safety glasses or goggles
Body Protection:	Protective work clothing. Wear close-toed shoes and long
body i fotection.	sleeves/pants.
9. P	hysical and Chemical Characteristics
Color	White
Form:	Powder, Granules, Pellets, Sputtering target, Custom parts
Odor:	N/A
Water Solubility:	N/A
Boiling Point:	N/A
Melting Point:	N/A
Flash Point:	N/A
Autoignition Temperature:	N/A
	N/A
Density: Molecular weight:	
Molecular weight:	427.63 g/mol
	10. Reactivity
Stability:	Stable under recommended storage conditions
Reacts With:	Moisture, Strong oxidizing agents
Incompatible Conditions:	Exposure to moist air or water. Dust generation, Excess heat
Hazardous Decomposition Products:	Sulphur oxides, gallium oxides
	11. Toxicological Information
Potential Health Effects:	
Eyes:	Causes serious eye irritation
Skin:	Causes skin irritation
Ingestion:	May cause irritation
Inhalation:	May cause irritation
Chronic:	N/A
Signs & Symptoms:	N/A
Aggravated Medical Conditions:	N/A
Median Lethal Dose:	LD50 Oral- >4,460 mg/kg for rat by mouth
	N/A
Carcinogen:	
Carcinogen:	12. Ecological Information
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Aquatic Toxicity:	N/A
Persistent Bioaccumulation Toxicity:	N/A N/A
Aquatic Toxicity:	N/A N/A N/A
Aquatic Toxicity: Persistent Bioaccumulation Toxicity:	N/A N/A

Dispose of in accordance with local, state, national, and international regulations.

14. Transportation Data			
Hazardous:	Not hazardous for transportation.		
Hazard Class:	N/A		
Packing Group:	N/A		
UN Number:	N/A		
Proper Shipping Name:	N/A		
	15. Regulatory Information		
Sec 302 Extremely Hazardous:	None		
Sec 304 Reportable Quantities:	N/A		
Sec 313 Toxic Chemicals:	None		
	16. Other Information		

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.

Document Last Revised:

02/11/2021 earch atorias, Inc.