

LTS Research Laboratories, Inc. Safety Data Sheet Neodymium Iodide

	1. Product and Company Identification
Trade Name:	Neodymium Iodide
Chemical Formula:	NdI 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)
2 Thou Emergency Contact.	+1-703-527-3887 (International)
	2. Hazards Identification
Signal Word:	Danger
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	La la constantes, inc.
Hazard Statements:	H315: Causes skin irritation
	H317 May cause an allergic skin reaction
	H319: Causes serious eye irritation
	H334 May cause allergy or asthma symptoms or breathing difficulties
	if inhaled
	H361 Suspected of damaging fertility or the unborn child
Precautionary Statements:	P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
	P272 Contaminated work clothing should not be allowed out of the
	workplace.
	P280 Wear protective gloves.
	P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
	P304 + P341 IF INHALED: If breathing is difficult, remove victim to
	fresh air and keep at rest in a position comfortable for breathing.
	P305+P351+P338: IF IN EYES: Rinse cautiously with water for
	several minutes. Remove contact lenses if present and easy to do –
	continue rinsing
	P308 + P313 IF exposed or concerned: Get medical advice/ attention. P333 + P313 If skin irritation or rash occurs: Get medical advice/
	attention.
	P363 Wash contaminated clothing before reuse.
	P405 Store locked up.
	P501 Dispose of contents/ container to an approved waste disposal plant.
	Print.
HMIS Health Ratings (0-4):	1
Health:	1
Flammability:	0
Physical:	1

3. Composition		
Chemical Family:	Nonmetal	
Additional Names:	Neodymium (III) iodide, Neodymium triiodide	
Neodymium Iodide (NbI ₃):		
Percentage:	100 wt%	
CAS #:	13813-24-6	
EC #:	237-467-7	
	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. Keep patient warm. Seek immediate medical attention.	
Ingestion:	Seek immediate medical attention.	
Skin:	Immediately wash affected area with mild soap and water. Remove any	
Even	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	
	C-Research	
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	
Spee. I ne i igning i locedule.	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. 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:	Handle under dry protective gas. Avoid contact with skin and eyes. Wash thoroughly after handling.	
Storage Conditions:	Store in a cool dry place in a tightly sealed container. Store under dry	
	inert gas. Store in the dark. Store way from water/moisture, oxidizing	
	agents. This product is hygroscopic. Protect from humidity and water,	
	exposure to light. 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	
monantigacine mannenance.	eating and smoking. Do not blow dust off clothing or skin with	
Ventilation:	compressed air. Provide sufficient ventilation to maintain concentration at or below	

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
Special Equipment.	chemicals and having an average face velocity of at least 100 feet per
	minute.
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
	sleeves/pants.
	9. Physical and Chemical Characteristics
Color	Black
Form:	Powder, Granules, Pellets, Sputtering target, Custom parts
Odor:	Odorless
Water Solubility:	N/A
Boiling Point:	N/A
Melting Point:	N/A
Flash Point:	N/A
Autoignition Temperature:	N/A
Density:	N/A
Molecular weight:	524.95 g/mol
	10. Reactivity
Stability:	Stable under recommended storage conditions
Reacts With:	Oxidizing agents
Incompatible Conditions:	Water/moisture, light
Hazardous Decomposition Products:	Metal oxide fume, hydrogen iodide, neodymium oxides
	11. Toxicological Information
Potential Health Effects:	
Eyes:	Causes serious eye irritation
Skin:	Cause skin irritation
Ingestion:	May cause irritation
Inhalation:	May cause allergy or asthma symptoms or breathing difficulties if
Characia	inhaled.
Chronic:	Suspected human reproductive toxicant. Overexposure may cause
	reproductive disorder(s) based on tests with laboratory animals. Stomach - Irregularities - Based on Human Evidence
Signs & Symptoms:	N/A
Aggravated Medical Conditions:	N/A
Median Lethal Dose:	N/A
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
	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 a known or anticipated carcinogen by

	12. Ecological Information
Aquatic Toxicity:	N/A
Persistent Bioaccumulation Toxicity:	N/A
Very Persistent, Very Bioaccumulative:	N/A
Notes:	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
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:	
Sec 304 Reportable Quantities:	N/A
Sec 313 Toxic Chemicals:	No
	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.

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