

LTS Research Laboratories, Inc. Safety Data Sheet Neodymium Fluoride

	1. Product and Company Identification
Trade Name:	Neodymium Fluoride
Chemical Formula:	NdF 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:	Danger
Hazard Statements:	H314: Causes severe skin burns and eye damage.
Precautionary Statements:	P260: Do not breathe dust/fume/gas/mist/vapors/spray. P264: Wash face, hands and any exposed skin thoroughly after handling.
	P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce
	vomiting.
	P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P304+P340: IF INHALED: 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.
	P363: Wash contaminated clothing before reuse.
	P405: Store locked up.
	P501: Dispose of contents/container in accordance with
	local/regional/national/international regulations.
HMIS Health Ratings (0-4):	4
Health:	4
Flammability:	0
Physical:	0

HMIS Health Ratings (0-4):	
Health:	
Flammability:	
Physical:	

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tim to fresh air. Supply oxygen if breathing is difficult. al attention.
e vomiting or give anything by mouth to an unconscious k medical attention.
ed area with mild soap and water. Remove any d clothing. Seek medical attention.
with water, blinking often for several minutes. Remove
es if present and easy to do. Continue rinsing. Seek medica
100
ting Measures
able, except as powder
tide, dry chemical, chemical foam.
e, self-contained breathing apparatus with full protective
prevent contact with skin and eyes. See section 10 for
on products.
Release Measures
priate respiratory and protective equipment specified in
ection information. Isolate spill area and provide
Vacuum up spill using a high efficiency particulate
EPA) air filter and place in a closed container for disposal.
ot to raise dust.
ff to prevent environmental pollution.
g and Storage
the dust. Do not get in eyes, on skin, or on clothing. Do not h thoroughly after handling.
ool dry place in a tightly sealed container. Store apart from
d conditions listed in section 10.
obacco or food in work area. Wash thoroughly before
moking. Do not blow dust off clothing or skin with
air.
ficient ventilation to maintain concentration at or below
nit.

8. Exposure Controls and Personal Protection		
Permissible Exposure Limits:	2.5 mg/m ³ as NdF3, long-term value	
Threshold Limit Value:	2.5 mg/m ³ as NdF3, long-term value	
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	
·	sleeves/pants.	
9. Pl	hysical and Chemical Characteristics	
Color	Pale purple	
Form:	Powder, Granules, Pellets, Sputtering target, Custom parts	
Odor:	Odorless	
Water Solubility:	Insoluble	
Boiling Point:	2300 °C	
Melting Point:	1410 °C	
Flash Point:	N/A	
Autoignition Temperature:	N/A	
Density:	N/A	
Molecular weight:	201.23 g/mol	
	10. Reactivity	
Stability:	Stable under recommended storage conditions	
Reacts With:	Strong oxidizing agents	
Incompatible Conditions:	Avoid dust formation, Acids	
Hazardous Decomposition Products:	Metal oxide fume, Gaseous hydrogen fluoride	
	11. Toxicological Information	
Potential Health Effects:		
Eyes:	Causes serious damage	
Skin:	Causes severe burns	
Ingestion:	May cause irritation	
Inhalation:	May cause irritation	
Chronic:	N/A	
Signs & Symptoms:	Causes burns by all exposure routes. : Ingestion causes severe swelling	
	severe damage to the delicate tissue and danger of perforation.	
Aggravated Medical Conditions:	N/A	
Median Lethal Dose:	N/A	
Carcinogen:	N/A	
	12. Ecological Information	
Aquatic Toxicity:	Low	
Persistent Bioaccumulation Toxicity:	No	
Very Persistent, Very Bioaccumulative:	No	
Notes:	N/A	

13. Disposal Considerations Dispose of in accordance with local, state, national, and international regulations. 14. Transportation Data				
			Hazardous:	Hazardous as powder and pieces
				CORROSIVE 8
Hazard Class:	8. Corrosives			
Packing Group:	III			
UN Number:	UN3260			
Proper Shipping Name:	Corrosive solid, acidic, inorganic, n.o.s. (Neodymium Fluoride)			
	15. Regulatory Information			
Sec 302 Extremely Hazardous:	No			
Sec 304 Reportable Quantities:	N/A			
Sec 313 Toxic Chemicals:	N/A			
	16. Other Information			
	in conjunction with technical sheets. It does not replace them. The information is product, at the time of publication. It is given in good faith. The attention of			

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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