

LTS Research Laboratories, Inc. Safety Data Sheet Strontium Nitride

1. Product and Company Identification	
Trade Name:	Strontium nitride
Chemical Formula:	Sr ₃ N ₂
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:	Warning
Hazard Statements:	H315 Causes skin irritation H319 Causes serious eye irritation H335: May cause respiratory irritation
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Precautionary Statements:	P261 Avoid breathing dust/fume/vapor
	P264: Wash skin thoroughly after handling
	P271: Use only outdoors or in a well-ventilated area P280: Wear protective gloves/protective clothing/eye protection/face
	protection P302+P352: IF ON SKIN: Wash with soap and water
	P304+P340: IF INHALED: Remove victim to fresh air and keep at res
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	in a position comfortable for breathing
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	P305+P351+P338: IF IN EYES: Rinse cautiously with water for
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	P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing P312: Call a POISON CENTER or doctor/physician if you feel unwell
	 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing P312: Call a POISON CENTER or doctor/physician if you feel unwell P362: Take off contaminated clothing and wash before reuse
	 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing P312: Call a POISON CENTER or doctor/physician if you feel unwell P362: Take off contaminated clothing and wash before reuse P403+P233: Store in a well ventilated place. Keep container tightly
	 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing P312: Call a POISON CENTER or doctor/physician if you feel unwell P362: Take off contaminated clothing and wash before reuse P403+P233: Store in a well ventilated place. Keep container tightly closed
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HMIS Health Ratings (0-4):	 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing P312: Call a POISON CENTER or doctor/physician if you feel unwell P362: Take off contaminated clothing and wash before reuse P403+P233: Store in a well ventilated place. Keep container tightly closed P405: Store locked up P501: Dispose of contents/container in accordance with
Health:	 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing P312: Call a POISON CENTER or doctor/physician if you feel unwell P362: Take off contaminated clothing and wash before reuse P403+P233: Store in a well ventilated place. Keep container tightly closed P405: Store locked up P501: Dispose of contents/container in accordance with local/regional/national/international regulations
HMIS Health Ratings (0-4): Health: Flammability: Physical:	 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing P312: Call a POISON CENTER or doctor/physician if you feel unwell P362: Take off contaminated clothing and wash before reuse P403+P233: Store in a well ventilated place. Keep container tightly closed P405: Store locked up P501: Dispose of contents/container in accordance with local/regional/national/international regulations

3. Composition		
Chemical Family:	Ceramic	
Additional Names:	None	
Strontium nitride (Sr ₃ N ₂):		
Percentage:	100 wt%	
CAS #:	12033-82-8	
EC #:	NIL	
	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:	Seek medical attention.	
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	
Flammability:	Non-flammable, except as powder	
Extinguishing Media: Spec. Fire Fighting Procedure:	Do not use water for metal fires – use CO_2 , sand, extinguishing powder 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. 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.	
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	

8. Exposure Controls and Personal Protection		
Permissible Exposure Limits:	N/A	
Threshold Limit Value:	N/A	
Special Equipment:	None	
Respiratory Protection:	Use a respirator with type P100 (USA) or P3 (EN143) cartridges as a	
	backup to engineering controls. Risk assessment should be performed	
	to determine if air-purifying respirators are appropriate. Only use	
	equipment tested and approved under appropriate government	
	standards.	
Destanting Classic		
Protective Gloves:	Rubber gloves	
Eye Protection:	Safety glasses or goggles	
Body Protection:	Protective work clothing. Wear close-toed shoes and long sleeves/pants.	
9. P	Physical and Chemical Characteristics	
Color	Black	
Form: Odori	Powder, Granules, Pellets, Sputtering target, Custom parts	
Odor:	N/A	
Water Solubility:	Insoluble	
Boiling Point:	N/A	
Melting Point:	1030 °C	
Flash Point:	N/A	
Autoignition Temperature:	N/A	
Density:	N/A	
Molecular weight:	290.87 g/mol	
	10. Reactivity stories, Inc.	
Stability:	Stable under recommended storage conditions	
Reacts With:	Ammonia, Oxidizing agents	
Incompatible Conditions:	Water/moisture	
Hazardous Decomposition Products:	Metal oxide fume	
	11. Toxicological Information	
Potential Health Effects:		
Eyes:	May cause irritation	
Skin:	May cause irritation	
Ingestion:	May cause irritation	
Inhalation:	May cause irritation	
Chronic:	N/A	
Signs & Symptoms:	N/A	
Aggravated Medical Conditions:	N/A	
Median Lethal Dose:	2750 mg/kg for rat by mouth	
	1826 mg/kg for mouse by mouth	
Carcinogen:	N/A	
	12. Ecological Information	
Aquatic Toxicity:	Low	
Persistent Bioaccumulation Toxicity:	No	
Very Persistent, Very Bioaccumulative:	No	
Notes:	N/A	

13. Disposal Considerations

14. Transportation Data		
Hazardous:	Hazardous for transportation.	
Hazard Class:	4.3 Substances which, in contact with water, release flammable gas	
Packing Group:	II	
UN Number:	UN2813	
Proper Shipping Name:	Water-reactive solid, n.o.s. (Strontium nitride)	
	15. Regulatory Information	
Sec 302 Extremely Hazardous:	No	
Sec 304 Reportable Quantities:	N/A	
Sec 313 Toxic Chemicals:	No	

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:

07/02/2015