S STANFORD Advanced Materials	Stanford Advanced Materials Safety Data Sheet Strontium Ruthenate	
1. Product and Company Identification		
Trade Name:	Strontium Ruthenate	
Chemical Formula:	SrRuO <sub>3</sub>	
Recommended Use:	Scientific research and development	
Manufacturer/Supplier:	Stanford Advanced Materials	
Address:	23661 Birtcher Dr.,	
	Lake Forest, CA 92630 U.S.A.	
Tel #:	(949) 407-8904	
24-Hour Emergency Contact:	(949) 407-8904	
	(This telephone number is available 24 hours per day, 7 days per week.)	
	2. Hazards Identification	
Signal Word:	Warning	
Hazard Statements:	H315 Causes skin irritation H319 Causes serious eye irritation	
Precautionary Statements:	P261 Avoid breathing dust/fume/vapor	
	P305+P351 If in eyes: Rinse cautiously with water for several minutes. P501: Dispose of contents/container in accordance with local/regional/national/international regulations	
HMIS Health Ratings (0-4):		
Health:	1	
Flammability:	0	
Physical:	1	
	3. Composition	
Chemical Family: Additional Names:	Ceramic Strontium ruthenium oxide	
Strontium Ruthenate (SrRuO <sub>3</sub> ):	100	
Percentage: CAS #:	100 wt% 60862-59-1	
EC #:	60862-59-1 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: Out og glasses of water and induce vomiting. 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 Stringhting Measures   Flammability: Non-flammable, except as powder   Extinguishing Media: Do not use water for metal fires – use CO <sub>2</sub> , sand, extinguishing powde 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.   Invironmental Precautions: Handle under dry protective gas. Wash thoroughly after handling. Store in a cool dry place in a tighty sealed container. Store under dry in erg as. Store apart from m	
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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.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:NoneRespiratory 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.	
Protective Gloves: Nitrile rubber, NBR 0.11mm thick	:
Eye Protection:Safety glasses or gogglesBody Protection:Protective work clothing. Wear close-toed shoes and long sleeves/pants.	:
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9. F	Physical and Chemical Characteristics
Color	Black
Form:	Sputtering target
Odor:	Odorless
Water Solubility:	Insoluble
Boiling Point:	N/A
Melting Point:	N/A
Flash Point:	N/A
	N/A N/A
Autoignition Temperature:	
Density:	N/A
Molecular weight:	236.69 g/cc
	10. Reactivity
Stability:	Stable under recommended storage conditions
Reacts With:	Reducing agents, Flammable substances, Organic materials, Metal
	powders, Oxidizing agents
Incompatible Conditions:	Water/moisture
Hazardous Decomposition Products:	Metal oxide fume
	11. Toxicological Information
Potential Health Effects:	
Eyes:	Causes serious eye damage
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:	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

	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:	No	
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.

Document Last Revised:

07/15/2015