

http://www.samaterials.com

Incompatibility: N/A

Stanford Advanced Materials

We not only sell products, we provide satisfactions. 72 Fairbanks Suite 100, Irvine, CA 92618, USA

Tel: (949) 407-8904 Fax: (949) 812-6690

Current Version: 2.0 Revision Date: Sep 5, 2012

Material Safety Data Sheet

Identity: Lutetium oxide		ŀ	Formula: Lu ₂ O ₃	
	SECTION 1	- GENERAL INFORMATION		
Manufacturer: Stanford Adva	anced Materials (SAM)			
		represents the best information available och information and assumes no liability re		
SECTI	ON II - HAZARDOUS I	NGREDIENTS/IDENTITY INFORMA	TION	
Molecular weight: 397.94				
CAS #	OSHA PEL	ACGIH TLV	%	
12032-20-1	N/A	N/A	0-100	
5	SECTION III – PHYSICA	AL/CHEMICAL CHARACTERISTICS		
Physical States: Solid				
Boiling Point: N/A Melting Point: 2487 °C Evaporation Rate: N/A Solubility in water: Insoluble		Vapor Pressure (vs. air or mmHg): N/A Density: 9.420 g/cm ³ Flash Point: N/A		
Appearance and oa	dor: White powder and piece	ees, odorless		
	SECTION IV - FIRE A	ND EXPLOSION HAZARD DATA:		
Method Used: N/A		Explosive Limits: LEL: N/A	JEL: N/A	
Extinguishing Media: Use C	O_2 , water, foam or dry chen	nical		
	wear full face, self-containe	ed breathing apparatus with full protective dous. Isolate runoff to prevent environmenta		
Unusual Fire and Explosion	Hazards: Non-combustible			
	SECTIO	N V - REACTIVITY DATA		
Stability: Stable Conditions to Avoid (stability)	Hazardous Decomposition or Byproducts: N/A y): N/A Hazardous Polymerization: N/A			

Conditions to avoid (hazardous polymerization): N/A



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SECTION VI - HEALTH HAZARD DATA

Routes of entry: Inhalation? Yes Skin? Yes Eyes? Yes Ingestion? Yes Other? No

Health Hazards (Acute and Chronic):

Inhalation: Harmful to respiratory system

Ingestion: May cause blood impairment and irritation to gastrointestinal system

Skin: May cause redness, itching and burning

Eye: May cause redness, itching, burning, and watering

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

Emergency and First Aid Procedures:

Inhalation: Remove victim to fresh air, keep warm and quiet, and give oxygen if breathing is difficult; seek medical

attention

Ingestion: Give 1-2 glasses of milk or water, DO NOT induce vomiting, and seek medical attention. Never induce

vomiting or give anything by mouth to an unconscious person

Skin: Remove contaminated clothing, brush material off skin, wash affected area with mild soap and water, and seek

medical attention if symptoms persist

Eye: Flush eyes with lukewarm water, lifting upper and lower eyelids for at least 15 minutes and seek medical attention

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled:

Wear appropriate respiratory and protective equipment specified in section VIII. Isolate spill area, provide ventilation and extinguish sources of ignition. Vacuum up spill using a high efficiency particulate absolute (HEPA) air filter and place in a closed container for proper disposal. Take care not to raise dust.

Waste disposal method:

Dispose of in accordance with state, local, and federal regulations.

Hazard Label Information:

Store in cool, dry area and in tightly sealed container. Wash thoroughly after handling.

SECTION VIII - CONTROL MEASURES

Protective Equipment Summary (Hazard Label Information):

NIOSH approved respirator, impervious rubber gloves, safety glasses, clothes to prevent contact.

Ventilation:

Local Exhaust: To maintain concentration at low exposure levels.

Mechanical (General): Recommended.

Work/Hygienic/Maintenance Practices:

Implement engineering and work practice controls to reduce and maintain concentration of exposure at low levels. Use good housekeeping and sanitation practices. Do not use tobacco or food in work area. Wash thoroughly before eating or smoking. Do not blow dust off clothing or skin with compressed air.

Please be advised that N/A can either mean Not Applicable or No Data Has Been Established