STANFORD ADVANCED MATERIALS

http://www.samaterials.com

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: Strontium Formula: Sr

SECTION I - GENERAL INFORMATION

Manufacturer: Stanford Advanced Materials (SAM)

The information below is believed to be accurate and represents the best information available to SAM. However, SAM makes no warranty, expressed or implied with respect to such information and we assume no liability resulting from its use.

SECTION II - PRODUCT INFORMATION/HAZARDOUS INGREDIENTS

Chemical Family: Metallic element
CAS #7440-24-6

Hazardous Components	CAS #	OSHA PEL	ACGIH TLV	%
Strontium	7440-24-6	Not established	Not established	10

SECTION III - PHYSICAL/ CHEMICAL CHARACTERISTICS

Boiling Point: 1380.0°C
Melting Point: 770.0°C
Physical States: Solid
Evaporation Rate: 0
% Volatile: 0
Specific Gravity (water=1): 2.6
Vapor Pressure: 10 mm @ 1648 ℉
Vapor Density: NA
Solubility in Water: Decomposes
Appearance and Odor: Silver-white to pale-yellow metal, odorless

SECTION IV - FIRE AND EXPLOSION DATA

Flash Point: NA
Extinguishing Media: Flammable solid, dangerous when wet. If involved in fire, do not use water, CO_2, or halogenated extinguishing agents. Use dry chemical extinguishing agents, dry sand or dry ground dolomite.

Special Fire Fighting Procedures: No special firefighting procedures needed. Use normal procedures which include wearing NIOSH/MSHA approved self-contained breathing apparatus, flame and chemical resistant clothing; hats, boots and gloves. If without risk, remove material from fire area.

SECTION V - REACTIVITY DATA

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Stability: Stable
Conditions to Avoid - Incompatibles:
Incompatibility - Materials to avoid: Water, oxidizing agents, acids O2.
Hazardous Decomposition or byproducts: H2
Hazardous Polymerization: Will not occur.

Other: Oxidizes in air. Revolves hydrogen gas from water. Finely divided metal ignites spontaneously in air.

SECTION VI - HEALTH HAZARD DATA

Routes of entry: Inhalation: Yes Skin - Yes Eyes - Yes Ingestion - Yes

Health Hazards (Acute and Chronic):

ACUTE EFFECTS
Ingestion: May cause vomiting, diarrhea and colic.
Skin Contact: May cause irritation.
Eye Contact: May cause irritation.
Inhalation: Powder or dust may cause irritation.
Medical Conditions, if any, Aggravated by the Chemical: None known.
Other Health Hazards: None known
Most likely routes of entry: Ingestion

CHRONIC EFFECTS
Ingestion: None known
Skin Contact: May cause dermatitis.
Eye Contact: None known Inhalation:
None known
Other: None known

Carcinogenicity:
NTP: No IARC: No OSHA: No EPA: No

Emergency And First Aid Procedures:
Ingestion: No data available but one should obtain medical attention.
Skin Contact: Remove contaminated clothing, flood skin with large amounts of water. If irritation persists seek medical attention.
Eye Contact: Immediately flush eyes, including under eyelids, with large amounts of water for at least 15 minutes. Call a physician.
Inhalation: No specific information available, one should obtain medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE.

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Steps To Be Taken In Case Material Is Released or Spilled:
Wearing full protective equipment, cover spill with dry sand or vermiculite. Mix well and carefully transfer to a container.

Waste Disposal Method: Dispose of in accordance with local, state and federal regulations.
Hazard Label Information:
Store under kerosene or mineral oil to prevent oxidation.
Other Precautions:
Lab coat and apron, flame and chemical resistant coveralls, eyewash capable of sustained flushing, safety drench shower and hygienic facilities for washing.

SECTION VIII - CONTROL MEASURES

Protective Equipment Summary - Hazard Label Information NIOSH approved respirator Impervious gloves Safety glasses
Clothes to prevent skin contact
Ventilation Requirements:
Glove bag or box with a dry inert atmosphere preferred.

Respiratory Protection (Specify Type):
High efficiency particle respirator.

Protective Gloves: Rubber
Eye/Face Protection: ANSI approved safety goggles.

Other Protective Clothing or Equipment: Protective gear suitable to prevent contamination
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 and smoking. Do not blow dust off clothing or skin with compressed air.