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## MATERIAL SAFETY DATA SHEET

### Section 1- PRODUCT IDENTIFICATION

COMPOSITION <b>SrO</b>	PRODUCT NAME <b>Strontium Oxide</b>
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### Section 2- HAZARDOUS INGREDIENTS

Note: Products under normal conditions do not represent an inhalation, ingestion or contact health hazard.

MATERIAL OR COMPONENT	CAS NUMBER	WT%	EXPOSURE LIMITS	
			OSHA PEL (Mg/M3)	ACGIH TLV(MG/M3)
<b>Strontium Oxide</b>	<b>1314-11-0</b>	<b>100.0</b>	<b>N/E</b>	<b>N/E</b>

### Section 3- PHYSICAL DATA

MATERIAL IS (AT NORMAL CONDITIONS) <input type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Gas <input type="checkbox"/> Other	APPEARANCE AND ODOR <b>White-Gray Powder, No Odor.</b>
MELTING POINT (BASE METAL)  <b>2430.0 degrees C</b>	SPECIFIC GRAVITY  <b>4.7</b>

### Section 4- FIRE AND EXPLOSION

Flash Point (Method Used)	Flammable Limits	LEL	UEL
<b>N/E</b>	<b>N/E</b>	<b>N/A</b>	<b>N/A</b>

#### EXTINGUISHING MEDIA

**N/A. Use suitable extinguishing media for surrounding material and type of fire.**

#### SPECIAL FIRE FIGHTING PROCEDURES

**Firefighters must wear full face, self-contained breathing apparatus with full face, protective clothing to prevent contact with skin and eyes. Fumes from fire are hazardous. Isolate runoff to prevent environmental pollution.**

#### UNUSUAL FIRE AND EXPLOSION HAZARDS

**Strontium oxide forms strontium hydroxide and heat on contact with water.**

Section 5- REACTIVITY DATA	
STABILITY <b>Stable</b>	INCOMPATABILITY (MATERIALS TO AVOID) <b>Water</b>
CONDITIONS TO AVOID <b>None Reported</b>	
HAZARDOUS DECOMPOSITION PRODUCTS <b>Strontium Hydroxide</b>	

Section 6- HEALTH HAZARD GUIDE
MAJOR EXPOSURE HAZARD  <input type="checkbox"/> <b>Inhalation</b> <input type="checkbox"/> <b>Skin</b> <input type="checkbox"/> <b>Skin Absorption</b> <input type="checkbox"/> <b>Eye Contact</b> <input type="checkbox"/> <b>Ingestion</b>
EFFECTS OF OVEREXPOSURE  <b>INHALATION:</b> May cause sneezing, coughing and dry throat.  <b>SKIN CONTACT:</b> May cause itching, redness, inflammation and chemical burns.  <b>EYE CONTACT:</b> May cause itching, redness, inflammation and watering.  <b>INGESTION:</b> May cause excessive salivation, vomiting, colic and diarrhea.
EMERGENCY & FIRST AID PROCEDURES  <b>INHALATION:</b> Remove victim from exposed area to fresh air. Keep warm and quiet. Give oxygen if breathing is difficult and seek medical attention. <b>SKIN CONTACT:</b> Remove contaminated clothing and shoes immediately. Brush material off skin and wash affected area with mild soap and water. Seek medical attention. <b>EYE CONTACT:</b> Flush eyes with lukewarm water, lifting upper and lower eyelids for at least 15 minutes. Seek medical attention. <b>INGESTION:</b> Give 1-2 glasses of milk or water and induce vomiting; seek medical attention. Never induce vomiting or give anything by mouth to an unconscious person.

Section 7- SPILL OR LEAK PROCEDURES
SPILL OR LEAK PROCEDURES <b>Wear appropriate respiratory and protective equipment specified in Section 8-Special Protection. Isolate spill area and provide ventilation and extinguish. 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.</b>
WASTE DISPOSAL METHODS <b>Observe all federal, state and local regulations when storing or disposing of this substance.</b>

Section 8- SPECIAL PROTECTION
RESPIRATORY <b>NIOSH/MSHA approved dust respirator.</b>
VENTILATION <b>Local Exhaust: To maintain concentration at or below low exposure levels. Special: Handle in controlled atmosphere      Mechanical: Not Recommended Other: None</b>

EYE PROTECTION & PROTECTIVE CLOTHING

**Use safety glasses. Wear rubber gloves. Use protective gear suitable to prevent contamination.**

**Section 9- SPECIAL PRECAUTIONS**

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.**

**Some of the chemicals listed herein are research or experimental substances which may be toxic, as defined by various governmental regulations. In accordance with Environmental Protection Agency regulations and the Toxic Substance Control Act (TSCA), these materials should only be handled by, or under the supervision of, a "technically qualified individual", as defined in 40 CFR 710.2(aa).**

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