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MATERIAL SAFETY DATA SHEET

Section 1- PRODUCT IDENTIFICATION

COMPOSITION SrF2	PRODUCT NAME Strontium Fluoride, Metal Halide
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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)
Strontium Fluoride	7783-48-4	100	2.5MG(F)/M3	2.5MG(F)/M3

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 White Powder or Pieces, No Odor
MELTING POINT (BASE METAL) 1190C	SPECIFIC GRAVITY 4.24g/cc

Section 4- FIRE AND EXPLOSION

Flash Point (Method Used) NE or N/A	Flammable Limits Non Flammable	LEL N/A	UEL N/A
EXTINGUISHING MEDIA N/A. Use suitable extinguishing media for surrounding materials and type of fire.			
SPECIAL FIRE FIGHTING PROCEDURES Firefighters must wear full face, self contained breathing apparatus with full protective clothing to prevent contact with skin and eyes			
UNUSUAL FIRE AND EXPLOSION HAZARDS Fumes from fire are hazardous. Isolate runoff to prevent environmental pollution. When heated above 1000C, strontium fluoride becomes oxidized to strontium oxide.			

Section 5- REACTIVITY DATA

STABILITY

Stable

INCOMPATABILITY (MATERIALS TO AVOID)

Strong acids.

CONDITIONS TO AVOID

None Reported

HAZARDOUS DECOMPOSITION PRODUCTS

Fumes of fluorine, hydrofluoric acid and strontium oxide.

Section 6- HEALTH HAZARD GUIDE

MAJOR EXPOSURE HAZARD

Inhalation **Skin** **Skin Absorption** **Eye Contact** **Ingestion**

EFFECTS OF OVEREXPOSURE

To the best of our knowledge, the chemical, physical and toxicology properties of strontium fluoride have not been thoroughly investigated and recorded.

Strontium compounds: the strontium ion has a low order of toxicity. Inorganic fluorides are generally highly irritating and toxic. Chronic fluorine poisoning or "fluorosis", occurs among miners of cryolite and consists of sclerosis of the bones, caused by fixation of the calcium by fluorine. Large doses can cause very severe nausea, vomiting, diarrhea, aggravated attacks of asthma and severe bone changes, making normal movements painful. Irritants to the eyes, skin and mucous membranes. Loss of weight. Anorexia and anemia are common findings in fluorine poisoning.

EMERGENCY & FIRST AID PROCEDURES

INHALATION: Remove victim from exposed area to fresh air. Keep warm and quiet. Give oxygen if breathing is difficult and seek medical attention if symptoms persist.

SKIN CONTACT: Remove contaminated clothing and shoes immediately. Brush material off skin and wash affected area with mild soap and water. Seek medical attention if symptoms persist.

EYE CONTACT: Flush eyes with lukewarm water, lifting upper and lower eyelids for at least 15 minutes. Seek medical attention.

INGESTION: 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

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.

WASTE DISPOSAL METHODS

Observe all federal, state and local regulations when storing or disposing of this substance.

Section 8- SPECIAL PROTECTION

RESPIRATORY

NIOSH/MSHA approved dust and vapor cartridge respirator.

VENTILATION

Local exhaust ventilation may be necessary to control air contaminants to within their PEL's and TLV's during use of this product.

EYE PROTECTION & PROTECTIVE CLOTHING

Use safety glasses.

Section 9- SPECIAL PRECAUTIONS

Some of the chemicals listed here are research or experimental substances which may be toxic, as defined by various governmental regulations. In accordance with the Environmental Protection Agency regulations and the Toxic Control Substance Control Act (TSCA) these materials should only be handled by, or under the direct supervision of a "technically qualified individual" as defined in 40 CFR 710.25(aa).

The above information is accurate to the best of our knowledge. However, since data safety standards and government regulations are subject to change, Plasmaterials makes no warranty, either express or implied, with respect to the completeness or continuing accuracy of this report.

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