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MATERIAL SAFETY DATA SHEET

Section 1- PRODUCT IDENTIFICATION

COMPOSITION Eu2O3	PRODUCT NAME Europium Oxide
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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)
Eu2O3	1308-96-9	100%	Not set	Not set

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 Pale rose powder, no odor.
MELTING POINT (BASE METAL) 2050° +/-30	SPECIFIC GRAVITY

Section 4- FIRE AND EXPLOSION

Flash Point (Method Used) N/A	Flammable Limits Non flammable	LEL N.A.	UEL N.A.
EXTINGUISHING MEDIA N/A			
SPECIAL FIRED FIGHTING PROCEDURES None			
UNUSUAL FIRE AND EXPLOSION HAZARDS None			

Section 5- REACTIVITY DATA

STABILITY Stable	INCOMPATABILITY (MATERIALS TO AVOID) None
CONDITIONS TO AVOID None	
HAZARDOUS DECOMPOISTION PRODUCTS None	

Section 6- HEALTH HAZARD GUIDE

MAJOR EXPOSURE HAZARD

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

EFFECTS OF OVEREXPOSURE

INHALATION: No specific data available on effects on inhalation. May cause mild irritation. Extreme overexposure may cause pulmonary edema. No data on chronic effects.

DERMAL/EYE CONTACT: Mild irritation to the eyes. None to the skin.

OTHER: Europium compounds exhibit relatively low toxicity. No data is available on specific effects of overexposure however, as a lanthanide, Eu₂O₃ may affect blood coagulation. No data on long term effect.

EMERGENCY & FIRST AID PROCEDURES

INGESTION: Induce vomiting.

INHALATION: Remove to fresh air.

SKIN CONTACT: Wash affected area with soap or mild detergent.

EYE CONTACT: Flush eyes with lukewarm water lifting up the upper and lower lids for at least fifteen minutes.

Section 7- SPILL OR LEAK PROCEDURES

SPILL OR LEAK PROCUDRES

Vacuum up the spill using a high efficiently particulate absolute (HEPA) filter.

WASTE DISPOSAL METHODS

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

Section 8- SPECIAL PROTECTION

RESPIRATORY:

Air purifying respirator for dusty conditions.

VENTILATION

Local exhaust recommended. Mechanical, use with adequate ventilation.

EYE PROTECTION & PROTECTIVE CLOTHING

Wear Safety glasses for eyes. Wear neoprene gloves for hands.

Section 9- SPECIAL PRECAUTIONS

Wash thoroughly after handling material. Keep container closed when not using.

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