

MATERIAL SAFETY DATA SHEET

I PRODUCT IDENTIFICATION

Trade Name:	Cesium Oxide	Molecular Weight:	281.81
Formula:	Cs ₂ O	CAS #:	202-81-009
TSCA:	Listed in the TSCA inventory		

II HAZARDOUS INGREDIENTS

%: 100 **ACGIH(TLV):** No Data **OSHA PEL:** No Data **Title Compound:** Not listed

Components Subject to Reporting Requirements of Section 313 or the Emergency Community Right-to-know Act:

III PHYSICAL DATA

Boiling Point:	Decomposes	Melting Point:	490 °C
Solubility in Water:	Reacts with Water	Vapor Pressure:	No data
Specific Gravity:	4.25	Color and Form:	Yellow-brown powder

IV FIRE AND EXPLOSION HAZARDS DATA

Flash Point: None

Unusual Fire and Explosion Hazards: Non-Flammable material. No unusual fire or explosion hazards.

Special Fire Fighting Procedures: Non-flammable material. If involved in a fire toxic oxidation or decomposition products may form. Leave the area unless fitted with a self-contained breathing apparatus and fire protective clothing.

V HEALTH HAZARD INFORMATION

Mode of Entry: Inhalation, Skin, Ingestion

Carcinogenicity: NTP: No **IARC:** No **OSHA:** No

Effects of Overexposure: No specific information available on toxicity or effects of overexposure. Material is a severe corrosive to skin, eyes and mucous membranes.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Immediately flush eyes with water for at least 15 minutes.

SKIN: Wash the affected area with soap and water for at least 5 minutes.

INHALATION: If inhaled remove the victim to fresh air and seek medical attention if coughing or shortness of breath or irritation persists.

INGESTION: Give victim plenty of water and seek medical attention.

VI REACTIVITY DATA

Stability: Absorbs carbon dioxide and moisture from the atmosphere.

Conditions or Materials to Avoid: None

Hazardous Decomposition Products: None

Hazardous Polymerization: None

Incompatibility: Water, mineral acids, halogens, halogenated hydrocarbons, and nitromethane

VII SPILL OR LEAK PROCEDURES

Steps to Be Taken in Case Material Is Released or Spilled: Sweep up the material and dispose of properly.

Waste Disposal Method: Neutralize the base with dilute hydrochloric acid. Commercial kits are available for cleaning up spills of caustic materials. Dispose of the material in accordance with local, state and federal regulations.

VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection: Wear NIOSH approved dust mask

Ventilation: Local Exhaust: Yes **Other:** No

Protective Gloves: Yes

Eye Protection: Yes

Other Protective Equipment: No other protection equipment needed

Precautions to Be Taken in Handling and Storage: Handle and store the material under an inert atmosphere of nitrogen or argon. Keep away from heat.

Other Precautions: The material may be irritating to the skin. Wear gloves when handling. In case of skin contact wash the affected area with soap and water. Handle material in an efficient fume hood.

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