

Material Safety Data Sheet

Identity: Terbium Fluoride

Formula: TbF₃

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 assumes no liability resulting from its use.

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Molecular weight:

Chemical Family:

CAS #	ACGIH TLV	%
13708-63-9	2.5mg/m ³ as F	100%

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Physical States: Crystalline Solid

Boiling Point: 2280 °C

Vapor Pressure: N/A

Melting Point: 1172 °C

Vapor Density: N/A

Evaporation Rate: N/A

Specific Gravity: N/A

Solubility in water: Insoluble

Appearance and odor:

SECTION IV - FIRE AND EXPLOSION HAZARD DATA:

Flammability: No

Flash Point: N/A

Extinguishing Media:

Special Fire Fighting Procedures: Wear protective fire fighting clothing and self-contained breathing apparatus. Do not use water. Use carbon dioxide, dry chemical extinguishing agents, dry sand, or dry ground dolomite.

SECTION V - REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Excessive heat

Incompatibility: Acids, acid fumes and oxidizing materials.

SECTION VI - HEALTH HAZARD DATA

Routes of entry: Inhalation? Yes Skin? No

Health Hazards Acute Exposure:

Eyes: May cause irritation.

Skin: May cause irritation.

Ingestion: Toxic due to Fluoride, may cause nausea, diarrhea, and abdominal burning.

Inhalation: May cause irritation.

In case of eye contact, flush eyes with lukewarm water for 15 minutes, seek medical attention.

In case of skin contact, brush material off skin. Wash affected area with soap and water.

In case of inhalation, remove victim to fresh air, administer oxygen if breathing is difficult, and seek medical attention.

In case of ingestion, do induce vomiting. Give large quantities of water or milk if available. Contact a physician.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

In case of spill or leakage:

Sweep up or cover spill with dry sand or vermiculite and mix well. Place in a sealed container: taking care to avoid dusting. Person protected with full face shield and proper respirator for acid gases and dust/mist/fume.

Disposal Procedures:

Dispose of in accordance, with all applicable Federal, State and Local Environment Regulations.

SECTION VIII - CONTROL MEASURES

Respiratory: NIOSH approved dust, mist, and vapor respirator.

Gloves: Rubber Gloves

Ventilation: Local exhaust

Eye and Skin Protection: Wear safety glasses, wear appropriate coveralls to prevent body or skin contact.

Other: Safety showers and eyewash stations should be present in the work are.

Please be advised that N/A can either mean Not Applicable or No Data Has Been Established