TERBIUM METAL

Section I

Kurt J. Lesker Company	Emergency Phone Numbers
1925 Worthington Avenue	
Clairton, PA 15025	Chemtrec 800/424-9300
Ph: 412/387-9200 Fax: 412/233-4275	Poison Center 800/562-8236

Chemical Name and Synonyms	Date of Last Revision
Terbium Metal	11/8/85

Formula	Chemical Family	Chemical Abstract No.
Tb	Metal	7440-27-9

TSCA	Calc. Molecular Wt.
Listed	158.9254

Section II   Hazardous Ingredients

Hazardous Ingredients	CAS #	%	TLV	OSHA PEL
	7440-27-9	>99	$10mg/m^3$	$15mg/m^3$ dust
				$5mg/m^3$ respir-able

Section III   Physical Data

Boiling Point (0^oC): 3123	Density (gmcc): 8.2294
Vapor Pressure: NA	% Volatile by Volume: 0
Reaction with Water: Slowly with water to liberate H_2	Evaporation Rate (H_2O -1): NA
Solubility in Water: Insoluble	Melting Point (^oC): 1360 $\underline{+}4$
Appearance and Odor: Silver gray metallic solid.	Other Comments: Tarnishes in moist air.

Section IV   Fire & Explosion Hazard Data

Flash Point (method) Unknown	Autoignition Temp. Unknown	Flammability	LEI	UEI

Extinguishing Media: Agent for metal fires (like G-1 powder, Met-L-X, or TEC)
Special Fire Fighting Procedures: Do not use water.
Unusual Fire and Explosion Hazards: Flammable in form of fine powder or dust.

Section V   Spill or Leak Process

Steps to be Taken in Case Material is Released or Spilled: Sweep or scoop up and remove.
Waste Disposal Method (Consult federal, state or local authorities for proper disposal procedures.): Not a hazardous waste. Ignite small

quantities in well-ventilated hood to form oxide. Dispose of oxide with
normal refuse.

Section VI   Health Hazard Data

Toxicity Data	HMIS Hazard Rating Health: Flammability: Reactivity: Personal Protection:

Route(s) of Entry   Inhalation: X   Skin: X   Ingestion:

Effects of Overexposure (acute and chronic)
Inhalation: May cause mild irritation. Extreme overexposure may cause
pulmonary edema. As a lanthanide, terbium amy act as blood anticoagulant.
Handle with care. Induce vomiting. Get immediate medical attention.
Dermal/Eye Contact: May cause mild irritation.
Other (specify):

Medical Conditions Generally Aggravated by Exposure:

Carcinogenicity: NTP: IARC Monographs: OSHA Regulations:

Emergency and First Aid Procedures
Ingestion: Induce vomiting. Get medical attention.
Inhalation: Remove to fresh air (for problem dust only).
Skin Contact: Slush with soap and water.
Eye Contact: Flush with plenty of water for at least 15 minutes.

Section VII   Reactivity Data

Stable: X Unstable:	Conditions Contributing to Instability:

Incompatibility (materials to avoid): Strong oxidizers

Hazardous Decomposition Products - Thermal and Other (list): None

Hazardous Polymerization May Occur: Will Not Occur: X	Conditions to Avoid: NA

Section VIII Special Protective Information

Respiratory Protection (specify type). Use Only Niosh Approved Equip.
If dust is being generated, a half-mask air purifying respirator should be
worn.

Ventilation (always maintain exposure below permissible limits)
Local Exhaust: Recommended
Mechanical (general):
Special: Other: Handle in dry box to prevent
                                         contact with air or moisture.

Protective Gloves: Neoprene	Eye Protection: Safety Glasses

Other Protective Equipment/Work Practices: Normal laboratory wear.

Section IX   Special Precautions

Precautions to be Taken in Handling and Storing: Wash thoroughly after handling. Do not breathe dust, vapor, mist or gas. Keep container closed. Keep away from heat sparks, and open flames. Store in tightly closed containers.

Transportation Requirements
DOT Class: Flammable solid
UN Number: 1325
IMCO Class: 4.3
Other:

ND = NO DATA FOUND   NA = NOT APPLICABLE