

MATERIAL SAFETY DATA SHEET

This form may be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.
IDENTITY (As Used on Label and List): **Dysprosium telluride, powder and pieces**
Product Code: **D-MSDS0016** Reference #: **12159-43-2**

SECTION I - PRODUCT IDENTIFICATION Dysprosium telluride, powder and pieces

MANUFACTURER NAME AND ADDRESS:

ProChem, Inc.
826 Roosevelt Rd.
Rockford IL 61109

TELEPHONE NUMBERS:

CHEMTREC (800)424-9300
ProChem, Inc. (800) 795-8788
Local
Poison/Emrgncy () - 911

DATES:

Date Created:
01/09/1991
Revision: 12/21/1994
Printed: 01/28/2004

SYNONYMS

Dysprosium telluride; didysprosium tritelluride

CHEMICAL FAMILY: Metal telluride

DOT HAZARD LABEL: No data.

FORMULA: Dy₂Te₃

MOLECULAR WEIGHT: 707.80

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION Dysprosium telluride, powder and pieces

HAZARDOUS COMPONENTS (CHEMICAL NAME)

<u>NAME:</u>	Dysprosium telluride	<u>PERCENTAGE:</u>	0.0 -100.0 %
<u>CAS #:</u>	12159-43-2	<u>ACGIH TLV:</u>	0.1mg(Te)/m3
<u>OSHA PEL:</u>	0.1mg(Te)/m3	<u>SEC.304 RO:</u>	No
<u>OTHER LIMITS:</u>	NE		
<u>SEC.302 (EHS):</u>	No		
<u>SEC.313:</u>	No		

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS Dysprosium telluride, powder and pieces

<u>PHYSICAL STATES:</u>	<input type="checkbox"/> Gas , <input type="checkbox"/> Liquid , <input checked="" type="checkbox"/> Solid
<u>BOILING POINT:</u>	N.A.
<u>MELTING POINT:</u>	N.A.
<u>SPECIFIC GRAVITY (WATER = 1):</u>	NE
<u>DENSITY:</u>	No data.
<u>VAPOR PRESSURE (VS. AIR OR MM HG):</u>	NA
<u>VAPOR DENSITY (VS. AIR = 1):</u>	NA

EVAPORATION RATE (VS BUTYL ACETATE=1): NA
SOLUBILITY IN WATER: NE
PERCENT VOLATILE: N.A.
PH: No data.
APPEARANCE AND ODOR

Black powder and pieces, no odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA
Dysprosium telluride, powder and pieces

FLASH PT: N.A. **METHOD USED:** NON-FLAMMABLE
EXPLOSIVE LIMITS: LEL: NA UEL: NA
EXTINGUISHING MEDIA

USE: Not applicable. Use suitable extinguishing agent 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. Fumes from fire are hazardous. Isolate runoff to prevent environmental pollution.

UNUSUAL FIRE AND EXPLOSION HAZARDS

When heated to decomposition or on contact with acid or acid fumes, dysprosium telluride may emit highly toxic fumes.

SECTION V - REACTIVITY DATA
Dysprosium telluride, powder and pieces

STABILITY: Unstable [] Stable [X]
CONDITIONS TO AVOID - INSTABILITY

None

INCOMPATIBILITY - MATERIALS TO AVOID

None recorded

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

None recorded

HAZARDOUS POLYMERIZATION: Will occur [] Will not occur [X]
CONDITIONS TO AVOID - HAZARDOUS POLYMERIZATION

None

SECTION VI - HEALTH HAZARD DATA
Dysprosium telluride, powder and pieces

ROUTE(S) OF ENTRY: Inhalation? Yes , Skin? Yes , Eyes? Yes , Ingestion? Yes , Other: N