

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 boride DyB6, powder and pieces**
Product Code: **D-MSDS0005** Reference #: **12008-04-7**

SECTION I - PRODUCT IDENTIFICATION Dysprosium boride DyB6, 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: 09/24/1993
Revision: 09/24/1993
Printed: 01/28/2004

SYNONYMS

Dysprosium boride

CHEMICAL FAMILY: Metal boride

DOT HAZARD LABEL: No data.

FORMULA: DyB6

MOLECULAR WEIGHT: 227.36

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION Dysprosium boride DyB6, powder and pieces

HAZARDOUS COMPONENTS (CHEMICAL NAME)

<u>NAME:</u>	Dysprosium boride	<u>PERCENTAGE:</u>	100.0 %
<u>CAS #:</u>	12008-04-7	<u>ACGIH TLV:</u>	NE
<u>OSHA PEL:</u>	NE	<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 boride DyB6, 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

Greyish-black powder and pieces, no odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA
Dysprosium boride DyB6, 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 media 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

None recorded

SECTION V - REACTIVITY DATA
Dysprosium boride DyB6, powder and pieces

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

None

INCOMPATIBILITY - MATERIALS TO AVOID

Strong acids and oxidizing agents

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Dysprosium, boron and their oxides

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

None

SECTION VI - HEALTH HAZARD DATA
Dysprosium boride DyB6, powder and pieces