



chemists helping chemists in research & industry

aldrich chemical co.

® P.O. Box 355, Milwaukee, Wisconsin 53201 USA • (414) 273-3850

ATTN: SAFETY DIRECTOR
SCHOOLCRAFT COLLEGE
PURCHASING DEPT
18600 HAGGERTY RD
LIVONIA
MARGARET JUDD

MI 48152

DATE: 03/10/87
CUST # 938609 P.O. #

M A T E R I A L S A F E T Y D A T A S H E E T

PAGE: 1

IDENTIFICATION

PRODUCT # 26678-7 NAME: HAFNIUM, FOIL, 0.5MM THICK, 99.5%
CAS # 7440-58-6

TOXICITY HAZARDS

NO TOXICITY DATA AVAILABLE

HEALTH HAZARD DATA

ACUTE EFFECTS
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.
WASH THOROUGHLY AFTER HANDLING.

PHYSICAL DATA

NO PHYSICAL DATA AVAILABLE

FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA
DRY CHEMICAL POWDER.
SPECIAL FIRE FIGHTING PROCEDURES
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO
PREVENT CONTACT WITH SKIN AND EYES.
UNUSUAL FIRE AND EXPLOSION HAZARDS
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

REACTIVITY DATA

INCOMPATIBILITIES
STRONG ACIDS
STRONG OXIDIZING AGENTS
OXYGEN
HALOGENS
PHOSPHORUS
SULFUR

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED
SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.
WASTE DISPOSAL METHOD
MATERIAL IN THE ELEMENTAL STATE SHOULD BE RECOVERED FOR REUSE OR
RECYCLING.

OBSERVE ALL FEDERAL, STATE & LOCAL LAWS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

CHEMICAL SAFETY GOGGLES.
MECHANICAL EXHAUST REQUIRED.
RUBBER GLOVES
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
WASH THOROUGHLY AFTER HANDLING.
STORE UNDER NITROGEN.

USA
Aldrich Chemical Co., Inc.
940 West Saint Paul Avenue
Milwaukee, Wisconsin 53233
Telephone: (414) 273-3850
TWX: (910) 252-3052 Aldrichem MI
Telex: 26 843 Aldrich MI
FAX: (414) 273-4979

Belgium
Aldrich Chemie N.V./S.A.
6 Rue Caporal Claes
B-1030 Brussels
Telephone: (02) 2428750
Telex: 62302 Aldrich B

France
Aldrich Chimie S.a.r.l.
27, Fosse des Treize
F-67000 Strasbourg
Telephone: (88) 327010
Telex: 890076 Aldrich F
FAX: (88) 75 12 63

Japan
Aldrich Japan
Kyodo Bldg. Shinkanda
10 Kanda-Mikuracho
Chiyoda-Ku, Tokyo
Telephone: (03) 258-0155
FAX: (03) 258-0157

United Kingdom
Aldrich Chemical Co., Ltd.
The Old Brickyard, New Road
Gillingham, Dorset SP8 4JL
Telephone: (07476) 2211
Telex: 417236 Aldrich G
FAX: (07476) 3779

West Germany
Aldrich-Chemie GmbH & Co. KG
D-7524 Steinheim
Telephone: (07329) 87-0
Telex: 714838 Aldrich D
FAX: (07329) 87-30



chemists helping chemists in research & industry

aldrich chemical co.

® P.O. Box 355, Milwaukee, Wisconsin 53201 USA • (414) 273-3850

M A T E R I A L S A F E T Y D A T A S H E E T

PAGE: 2

CATALOG # 26678-7

NAME: HAFNIUM, FOIL, 0.5MM THICK, 99.5%

----- ADDITIONAL PRECAUTIONS AND COMMENTS -----

WARNING: MAY IGNITE SPONTANEOUSLY ON CUTTING OR FILING.

ADDITIONAL INFORMATION

THE POWDER FORM OF HAFNIUM IS PYROPHORIC WHEN DRY OR WETTED WITH LESS THAN 25% WATER. THE DRY POWDER MAY REACT EXPLOSIVELY WITH OXIDANTS AND AT ELEVATED TEMPERATURES WITH HALOGENS, NITROGEN, PHOSPHORUS, OXYGEN, SULFUR, AND OTHER NONMETALS.

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. ALDRICH SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. SEE REVERSE SIDE OF INVOICE OR PACKING SLIP FOR ADDITIONAL TERMS AND CONDITIONS OF SALE.

USA
Aldrich Chemical Co., Inc.
940 West Saint Paul Avenue
Milwaukee, Wisconsin 53233
Telephone: (414) 273-3850
TWX: (910) 262-3052 Aldrichem MI
Telex: 26 843 Aldrich MI
FAX: (414) 273-4979

Belgium
Aldrich Chemie N.V./S.A.
6 Rue Caporal Claes
B-1030 Brussels
Telephone: (02) 2488750
Telex: 62302 Aldrich B

France
Aldrich-Chimie S.a.r.l.
27, Fosse des Treize
F-67000 Strasbourg
Telephone: (88) 327010
Telex: 890076 Aldrich F
FAX: (88) 75 12 83

Japan
Aldrich Japan
Kyodo Bldg. Shinkanda
10 Kanda-Mikuracho
Chiyoda-Ku, Tokyo
Telephone: (03) 258-0155
FAX: (03) 258-0157

United Kingdom
Aldrich Chemical Co., Ltd.
The Old Brickyard, New Road
Gillingham, Dorset SP8 4JL
Telephone: (07476) 2211
Telex: 417238 Aldrich G
FAX: (07476) 3779

West Germany
Aldrich-Chemie GmbH & Co. KG
D-7924 Steinheim
Telephone: (07329) 87-0
Telex: 714638 Aldrich D
FAX: (07329) 87-39