



chemists helping chemists in research & industry

aldrich chemical co.

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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 # 26768-6 NAME: ZIRCONIUM, FOIL 0.127MM THICK, 99.9+
CAS # 7440-67-7

----- 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

USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.

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

PHOSPHORUS

OXYGEN

LEAD

FORMS EXPLOSIVE MIXTURES WITH:

STRONG OXIDIZING AGENTS

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.

WASH THOROUGHLY AFTER HANDLING.

KEEP TIGHTLY CLOSED.

AIR-SENSITIVE.

HANDLE AND STORE UNDER ARGON.

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CATALOG # 26768-6

NAME: ZIRCONIUM, FOIL 0.127MM THICK, 99.9+%

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

WARNING: MAY IGNITE SPONTANEOUSLY ON CUTTING OR FILING.

ADDITIONAL INFORMATION

ZIRCONIUM REACTS WITH CARBON TETRACHLORIDE, COPPER OXIDE, LEAD OXIDE, POTASSIUM CHLORATE AND NITRATE, BORAX, SULFATES, TUNGSTATES, MOLYBDATES, ALKALI METAL HYDROXIDES, CHROMATES, AND DICHROMATES. ITS COMBUSTION IN AIR IS STIMULATED BY THE PRESENCE OF LIMITED AMOUNTS OF WATER. AUTOIGNITION TEMPERATURE OF DUST CLOUD IS 68F. IT WILL BURN IN AN ATMOSPHERE OF CARBON DIOXIDE.

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.

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