



chemists helping chemists in research & industry

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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 # 21548-1   NAME: ZINC, MOSSY, 99+  
CAS # 7440-66-6

TOXICITY HAZARDS

RTECS # ZG86 00000

ZINC

IRRITATION DATA

SKN-HMN 300 UG/3D-I MLD

85DKA8 -,127,77

REVIEWS, STANDARDS, AND REGULATIONS

EPA GENETIC TOXICOLOGY PROGRAM, JANUARY 1984

REPORTED IN EPA TSCA INVENTORY, 1983

EPA TSCA SECTION 8(E) STATUS REPORT 8EHQ-0680-0345

"NIOSH MANUAL OF ANALYTICAL METHODS, 3RD ED." SEE: METHODS 7030 AND 7300

MEETS CRITERIA FOR PROPOSED OSHA MEDICAL RECORDS RULE FEREAC 47,30420, 82

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

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

MELTING POINT: 420 C  
SPECIFIC GRAVITY: 7.140

FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA

CLASS D FIRE-EXTINGUISHING MATERIAL ONLY.

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

AMINES

CADMIUM

PROTECT FROM MOISTURE.

STRONG OXIDIZING AGENTS

SULFUR

STRONG ACIDS

STRONG BASES

CHLORINATED SOLVENTS

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**PRODUCT #:**

**MF: ZN**

**NAME: ZINC, MOSSY, 99+%**

**CUST#: 938609**  
**PO#: P0074850**

**HEALTH HAZARD DATA**

**TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.**

**FIRST AID**

**IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.**  
**FLUSH SKIN WITH WATER.**  
**IF INHALED, REMOVE TO FRESH AIR.**

**PHYSICAL DATA**

**MELTING POINT: 420 C**  
**SPECIFIC GRAVITY: 7.140**  
**VAPOR PRESSURE: 1 MM @ 487 C**

**APPEARANCE AND ODOR**  
**SILVERY METAL CHUNKS**

**FIRE AND EXPLOSION HAZARD DATA**

**EXTINGUISHING MEDIA**

**USE APPROVED CLASS D EXTINGUISHERS OR SMOTHER WITH DRY SAND, DRY GROUND LIMESTONE OR DRY CLAY.**

**SPECIAL FIREFIGHTING PROCEDURES**

**WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.**

**UNUSUAL FIRE AND EXPLOSIONS HAZARDS**

**EMITS TOXIC FUMES UNDER FIRE CONDITIONS.**

**REACTIVITY DATA**

**INCOMPATIBILITIES**

**AMINES**  
**CADMIUM**  
**PROTECT FROM MOISTURE.**  
**AIR SENSITIVE**

**CONTINUED ON NEXT PAGE**

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**REACTIVITY DATA**

CHLORINATED SOLVENTS

SULFUR

STRONG ACIDS

STRONG BASES

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS  
NATURE OF DECOMPOSITION PRODUCTS NOT KNOWN.

**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 AND LOCAL ENVIRONMENTAL REGULATIONS.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

CHEMICAL SAFETY GOGGLES.

COMPATIBLE CHEMICAL-RESISTANT GLOVES.

NIOSH/MSHA-APPROVED RESPIRATOR.

SAFETY SHOWER AND EYE BATH.

MECHANICAL EXHAUST REQUIRED.

AVOID CONTACT AND INHALATION.

WASH THOROUGHLY AFTER HANDLING.

KEEP TIGHTLY CLOSED.

AIR AND MOISTURE SENSITIVE

ADDITIONAL PRECAUTIONARY STATEMENTS

AIR AND MOISTURE SENSITIVE

STORE IN A DRY AREA.

**ADDITIONAL PRECAUTIONS AND COMMENTS**

ADDITIONAL INFORMATION

ZINC REACTS WITH ACIDS, STRONG ALKALIES, CHLORIDES, CHLORATES, OXIDES, NITRATES, FLUORINE, CARBON DISULFIDE. THE PRESENCE OF MOISTURE CAN RESULT IN SPONTANEOUS COMBUSTION.

CONTINUED ON NEXT PAGE

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**ADDITIONAL PRECAUTIONS AND COMMENTS**

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