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SECTION 1. - - - - - CHEMICAL IDENTIFICATION- - - - -

CATALOG #: 215481
NAME: ZINC, MOSSY, 99+%

SECTION 2. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - -

CAS #: 7440-66-6
MF: ZN
EC NO: 231-175-3

SYNONYMS

BLUE POWDER * GRANULAR ZINC * LS 2 * LS 6 * MERRILLITE * RHEINZINK *
UN1435 (DOT) * UN1436 (DOT) * ZINC DUST * ZINC DUST (UN1436) (DOT) *
ZINC POWDER * ZINC POWDER (UN1436) (DOT) * ZINC ASHES (UN1435) (DOT) *

SECTION 3. - - - - - HAZARDS IDENTIFICATION - - - - -

LABEL PRECAUTIONARY STATEMENTS

AIR AND MOISTURE SENSITIVE
STORE IN A DRY AREA.

SECTION 4. - - - - - FIRST-AID MEASURES- - - - -

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.

SECTION 5. - - - - - FIRE FIGHTING MEASURES - - - - -

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.

SECTION 6. - - - - - ACCIDENTAL RELEASE MEASURES- - - - -

SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.

SECTION 7. - - - - - HANDLING AND STORAGE- - - - -

REFER TO SECTION 8.

ADDITIONAL INFORMATION

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

SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- - - - -

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

SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -

APPEARANCE AND ODOR

SILVERY METAL CHUNKS

PHYSICAL PROPERTIES

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

SECTION 10. - - - - -STABILITY AND REACTIVITY - - - - -

INCOMPATIBILITIES

AMINES
CADMIUM
PROTECT FROM MOISTURE.
AIR SENSITIVE
CHLORINATED SOLVENTS
SULFUR
STRONG ACIDS
STRONG BASES

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

NATURE OF DECOMPOSITION PRODUCTS NOT KNOWN.

SECTION 11. - - - - - TOXICOLOGICAL INFORMATION - - - - -

ACUTE EFFECTS

MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.
MAY CAUSE EYE IRRITATION.
MAY CAUSE SKIN IRRITATION.
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

RTECS #: ZG8600000

ZINC

IRRITATION DATA

SKN-HMN 300 UG/3D-I MLD 85DKA8 -,127,1977
ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
(RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR
COMPLETE INFORMATION.

SECTION 12. - - - - - ECOLOGICAL INFORMATION - - - - -

DATA NOT YET AVAILABLE.

SECTION 13. - - - - - DISPOSAL CONSIDERATIONS - - - - -

MATERIAL IN THE ELEMENTAL STATE SHOULD BE RECOVERED FOR REUSE OR
RECYCLING.

OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. - - - - - TRANSPORT INFORMATION - - - - -

CONTACT ALDRICH CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. - - - - - REGULATORY INFORMATION - - - - -

EUROPEAN INFORMATION

EC INDEX NO: 030-001-00-1

R 15

CONTACT WITH WATER LIBERATES EXTREMELY FLAMMABLE GASES.

R 17

SPONTANEOUSLY FLAMMABLE IN AIR.

S 7/8

KEEP CONTAINER TIGHTLY CLOSED AND DRY.

S 43

IN CASE OF FIRE, USE DRY POWDER. NEVER USE WATER.

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK

OEL-ARAB REPUBLIC OF EGYPT:TWA 0.1 MG/M3 JAN 1993

NOHS 1974: HZD T0146; NIS 2; TNF 44; NOS 1; TNE 324

NOHS 1974: HZD 77115; NIS 120; TNF 9450; NOS 90; TNE 118548

NOES 1983: HZD X4242; NIS 46; TNF 3278; NOS 47; TNE 79920; TFE 7874

NOES 1983: HZD X5913; NIS 1; TNF 22; NOS 2; TNE 269; TFE 22

NOES 1983: HZD X5990; NIS 2; TNF 42; NOS 3; TNE 1007; TFE 321
NOES 1983: HZD X5991; NIS 8; TNF 177; NOS 18; TNE 10589; TFE 3273
NOES 1983: HZD 77115; NIS 211; TNF 23711; NOS 133; TNE 320917; TFE
34194

ATSDR TOXICOLOGY PROFILE (NTIS** PB/90/171414/AS)

EPA GENETOX PROGRAM 1988, INCONCLUSIVE: IN VIVO CYTOGENETICS-HUMAN
LYMPHOCYTE

EPA TSCA SECTION 8(B) CHEMICAL INVENTORY

EPA TSCA SECTION 8(D) UNPUBLISHED HEALTH/SAFETY STUDIES

ON EPA IRIS DATABASE

EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, APRIL 1997

NIOSH ANALYTICAL METHOD, 1994: ZINC AND COMPOUNDS AS ZN, 7030

NIOSH ANALYTICAL METHOD, 1994: ELEMENTS IN BLOOD OR TISSUE, 8005

NIOSH ANALYTICAL METHOD, 1994: METALS IN URINE, 8310

SECTION 16. - - - - - OTHER INFORMATION- - - - -

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