

MATERIAL SAFETY DATA SHEET

WLC4960T

WLC4975T

WLC4963T

WLC4975V

WLC4966T

SARGENT-WELCH

P.O. BOX 1026

SKOKIE, IL 60076-8026

1-800-SARGENT

MSDS NO.

EFFECTIVE DATE

JULY 01, 1991

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

PRODUCT: ZINC METAL, MOSSY, GRANULAR, SHOT

CHEMICAL SYNONYMS: MOSSY ZINC

FORMULA: ZN

UNIT(S) SIZE: 500 GRAMS; 2.5 KG.

C.A.S. NO.: 7440-66-6

CHEMTREC 800-424-9300

DAY 716-226-6177

NIGHT 716-334-4222

HEALTH 0

FIRE 1

REACTIVITY 2

NFPA HAZARD RATING

LEAST	SLIGHT	MODERATE	HIGH	EXTREME
0	1	2	3	4

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

PRINCIPAL HAZARDOUS COMPONENTS(S)	%	TVL UNITS
ZINC METAL, MOSSY, GRANULAR, SHOT	100%	SEE SECTION V.

CAUTION: USE CARE IN HANDLING. ABRASIVE TO SKIN. REACTS WITH ACIDS TO LIBERATE HYDROGEN GAS-A FLAMMABLE AND EXPLOSIVE GAS.

SECTION III PHYSICAL DATA

MELTING POINT(F): 419C (787F)

BOILING POINT(F): 907 F (1665F)

VAPOR PRESSURE (MM HG): 1 MM AT 487C

VAPOR DENSITY (AIR=1): 2.26

SOLUBILITY IN WATER: INSOLUBLE.

APPEARANCE & ODOR: SILVERY METAL, MOSSY, GRANULAR, SHOT; NO ODOR.

SPECIFIC GRAVITY (H2O=1): 7.14

PERCENT VOLATILE BY VOLUME (%): NON-VOLATILE (NA)

EVAPORATION RATE (= 1): NON-VOLATILE (NA)

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): NOT FLAMMABLE.

FLAMMABLE LIMITS IN AIR % BY VOLUME: NA LOWER:

UPPER:

EXTINGUISHER MEDIA: SMOTHER WITH DRY SAND, EARTH OR SODA ASH, DRY POWDER (ABC).

SPECIAL FIREFIGHTING PROCEDURES: IN FIRE CONDITIONS, WEAR A NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. WHEN HEATED, THE FUMES ARE HIGHLY TOXIC, CAUSING "FUME FEVER".

UNUSUAL FIRE AND EXPLOSION HAZARDS: DUST FORMS EXPLOSIVE MIXTURES WITH AIR. BULK DUST IN DAMP STATE MAY HEAT SPONTANEOUSLY AND IGNITE ON EXPOSURE TO AIR. CONTACT WITH ACIDS AND ALKALI HYDROXIDE (SODIUM HYDROXIDE, POTASSIUM HYDROXIDE, CALCIUM HYDROXIDE, ETC.) RESULTS IN EVOLUTION OF HYDROGEN.

D.O.T.: NON-REGULATED.

APPROVED BY U.S. DEPARTMENT OF LABOR "ESSENTIALLY SIMILAR" TO FORM OSHA-20

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMITED VALUE: ZINC AS FUME: PEL 5 MG/M3; TLV 5 MG/M3; STEL 10MG/M3.

EFFECTS OF OVEREXPOSURE: INHALATION: DUST MAY CAUSE UPPER RESPIRATORY TRACT IRRITATION. WHEN HEATED ABOVE 400C, INHALATION OF THE FUMES MAY LEAD TO METAL FUME FEVER. MILD TO SEVERE SYMPTOMS OF CHILLS AND FEVER, PROFUSE PERSPIRATION, WEAKNESS, NAUSEA AND COUGHING CAN OCCUR. EYES: MAY CAUSE EYE IRRITATION. SKIN: PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE SKIN IRRITATION.

EMERGENCY AND FIRST AID PROCEDURES: INHALATION: REMOVE FROM EXPOSURE, TREAT SYMPTOMATICALLY AND GET MEDICAL ATTENTION, IF SYMPTOMS PERSIST. EYES: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER, IF IRRITATION DEVELOPS OR PERSISTS, GET MEDICAL ATTENTION. SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER.

SECTION VI REACTIVITY DATA

STABILITY: STABLE
CONDITIONS TO AVOID: EXCESSIVE TEMPERATURE AND HEAT, AIR AND MOISTURE.

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS, ACIDS, ALKALIES.

HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF ZINC MAY BE PRESENT. ZINC FUMES.

HAZARDOUS POYMERIZATION: WILL NOT OCCUR.
CONDITIONS TO AVOID: NOT APPLICABLE.

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: SWEEP UP FOR REUSE OR PLACE IN A SUITABLE CONTAINER FOR DISPOSAL.

WASTE DISPOSAL METHOD: DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT TO FEDERAL, STATE OR LOCAL LAWS. THESE DISPOSAL GUIDELINES ARE INTENDE FOR THE DISPOSAL OF CATALOG-SIZE QUANTITIES ONLY.

DISPOSE OF IN AN APPROVED CHEMICAL LANDFILL OR CONTRACT WITH A LICENSED WASTE DISPOSAL SERVICE.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATION PROTECTION (SPECIFIC TYPE): NONE NEEDED IN NORMAL LABORATORY HANDLING. IF DUSTY CONDITIONS PREVAIL, WORK IN A NIOSH-APPROVED DUST MASK OR WORK IN ADEQUATE VENTILATION HOOD.

VENTILATION: LOCAL EXHAUST: NOT NEEDED.

MECHANICAL (GENERAL): RECOMMENDED

SPECIAL: NO

OTHER: ADEQUATE TO MAINTAIN BELOW EXPOSURE LIMIT

PROTECTIVE GLOVES: SUITABLE TO PROTECT AGAINST SKIN ABRASIONS.

EYE PROTECTION: CHEMICAL SAFETY GLASSES.

OTHER PROTECTIVE EQUIPMENT: LAB COAT, GOGGLES, EYE WASH STATION, FIRE EXTINGUISHER.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING: KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

STORE IN A COOL, DRY, VENTILATED PLACE. SEPARATE FROM ACIDS, HALOGENATED HYDROCARBONS AND STRONG ALKALI HYDROXIDES. PROTECT FROM MOISTURE. WASH THOROUGHLY AFTER HANDLING.

OTHER PRECAUTIONS:

REMOVE AND WASH CONTAMINATED CLOTHING.

FOR LABORATORY USE ONLY. NOT FOR DRUG, FOOD OR HOUSEHOLD USE. KEEP OUT OF REACH OF CHILDREN.

READ LABEL ON CONTAINER BEFORE USING. DO NOT WEAR CONTACT LENSES WHEN WORKING WITH CHEMICALS.

REV. NO. NO. 3 DATE 07/01/91 APPROVED ALEXANDER A. PICCIRILLI

CHEMICAL SAFETY COORDINATOR AP

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"ISSUED BY SARGENT-WELCH 09/12/92"