



chemists helping chemists in research & industry

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SHIPPING/RECEIVING DOCK

DATE: 04/24/90
CUST#: 938609
PO#: 65209

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 #: 26869-0
CAS #: 7758-95-4
MF: CL2PB

NAME: LEAD(II) CHLORIDE, 98%

SYNONYMS

LEAD(2+) CHLORIDE * LEAD (II) CHLORIDE * LEAD CHLORIDE (DOT) * LEAD
DICHLORIDE * NA 2291 (DOT) * PLUMBOUS CHLORIDE *

----- TOXICITY HAZARDS -----

TECS NO: 0F9450000

LEAD CHLORIDE

REVIEWS, STANDARDS, AND REGULATIONS

ACGIH TLV-TWA 0.15 MG(PB)/M3 85INAB 5,343,86

IARC CANCER REVIEW: ANIMAL INADEQUATE EVIDENCE IMEMDT 23,325,80

NIOSH REL TO LEAD, INORGANIC-AIR: 10H TWA 0.10 MG(PB)/M3 MMWR** 37(S-7)
18,88

NOHS 1974: HZD 84439; NIS 3; TNF 40; NOS 3; TNE 478

NOES 1983: HZD 84439; NIS 5; TNF 212; NOS 7; TNE 3903; TFE 755

EPA GENETOX PROGRAM 1988, NEGATIVE: B SUBTILIS REC ASSAY

EPA TSCA CHEMICAL INVENTORY, 1986

TARGET ORGAN DATA

MATERNAL EFFECTS (MENSTRUAL CYCLE CHANGES OR DISORDERS)

EFFECTS ON FERTILITY (PRE-IMPLANTATION MORTALITY)

EFFECTS ON FERTILITY (POST-IMPLANTATION MORTALITY)

EFFECTS ON FERTILITY (LITTER SIZE)

EFFECTS ON FERTILITY (OTHER MEASURES OF FERTILITY)

EFFECTS ON EMBRYO OR FETUS (CYTOLOGICAL CHANGES)

SPECIFIC DEVELOPMENTAL ABNORMALITIES (CENTRAL NERVOUS SYSTEM)

SPECIFIC DEVELOPMENTAL ABNORMALITIES (EYE, EAR)

SPECIFIC DEVELOPMENTAL ABNORMALITIES (MUSCULOSKELETAL SYSTEM)

EFFECTS ON NEWBORN (BEHAVIORAL)

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 -----

CUTE 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.

FIRST AID

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF
WATER FOR AT LEAST 15 MINUTES.

IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS
AMOUNTS OF WATER.

IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL
RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

CONTINUED ON NEXT PAGE

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----- HEALTH HAZARD DATA -----

CALL A PHYSICIAN.

ADDITIONAL INFORMATION

LEAD SALTS HAVE BEEN REPORTED TO CROSS THE PLACENTA AND TO INDUCE EMBRYO- AND FETO- MORTALITY. THEY ALSO HAVE A TERATOGENIC EFFECT IN SOME ANIMAL SPECIES. NO TERATOGENIC EFFECTS HAVE BEEN REPORTED WITH EXPOSURE TO ORGANOMETALLIC LEAD COMPOUNDS. ADVERSE EFFECTS OF LEAD ON HUMAN REPRODUCTION, EMBRYONIC AND FETAL DEVELOPMENT AND POSTNATAL (E. G., MENTAL) DEVELOPMENT HAVE BEEN REPORTED. ADDITIONAL SYMPTOMS OF OVEREXPOSURE: JOINT AND MUSCLE PAIN, WEAKNESS OF EXTENSOR MUSCLES (FREQUENTLY THE HAND AND WRIST), HEADACHE, DIZZINESS, ABDOMINAL PAIN, DIARRHEA, CONSTIPATION, NAUSEA, VOMITING, BLUE LINE ON GUMS, INSOMNIA AND METALLIC TASTE. CEREBROSPINAL PRESSURE MAY BE INCREASED. HIGH BODY LEVELS PRODUCE BRAIN DAMAGE, STUPOR LEADING TO COMA AND OFTEN DEATH.

----- PHYSICAL DATA -----

SPECIFIC GRAVITY: 5.850
VAPOR PRESSURE: 1 MM @ 547 C

APPEARANCE AND ODOR
WHITE POWDER

----- FIRE AND EXPLOSION HAZARD DATA -----

EXTINGUISHING MEDIA

NONCOMBUSTIBLE.

USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.

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

STRONG OXIDIZING AGENTS

STRONG ACIDS

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

LEAD/LEAD OXIDES

HYDROGEN CHLORIDE GAS

----- SPILL OR LEAK PROCEDURES -----

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES.

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----- SPILL OR LEAK PROCEDURES -----

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

AVOID RAISING DUST.

VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

WASTE DISPOSAL METHOD

THE MATERIAL SHOULD BE DISSOLVED IN 1) WATER; 2) ACID SOLUTION OR 3) OXIDIZED TO A WATER-SOLUBLE STATE. PRECIPITATE THE MATERIAL AS THE SULFIDE, ADJUSTING THE PH OF THE SOLUTION TO 7 TO COMPLETE PRECIPITATION. FILTER THE INSOLUBLES AND DISPOSE OF THEM IN A HAZARDOUS-WASTE SITE. DESTROY ANY EXCESS SULFIDE WITH SODIUM HYPOCHLORITE. NEUTRALIZE THE SOLUTION BEFORE FLUSHING DOWN THE DRAIN. OBSERVE ALL FEDERAL, STATE, AND LOCAL LAWS.

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

WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.

SAFETY SHOWER AND EYE BATH.

MECHANICAL EXHAUST REQUIRED.

DO NOT BREATHE DUST.

AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

AVOID PROLONGED OR REPEATED EXPOSURE.

WASH THOROUGHLY AFTER HANDLING.

HARMFUL DUST.

KEEP CONTAINER CLOSED.

STORE IN A COOL DRY PLACE.

REGULATORY INFORMATION

THIS PRODUCT IS SUBJECT TO SARA SECTION 313 REPORTING REQUIREMENTS.

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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