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DATE: 03/30/93
CUST#: 6-085-19689
PO#: LGX541340

M A T E R I A L S A F E T Y D A T A S H E E T

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IDENTIFICATION

PRODUCT #: L3396
CAS #: 6080-56-4
MF: C2H4O2

NAME: LEAD ACETATE TRIHYDRATE ACS REAGENT

SYNONYMS

ACETIC ACID, LEAD(+2) SALT TRIHYDRATE * BIS(ACETATO)TRIHIDROXYTRILEAD
* BLEIAZETAT (GERMAN) * LEAD ACETATE TRIHYDRATE * LEAD DIACETATE
TRIHYDRATE * PLUMBCUS ACETATE *

TOXICITY HAZARDS

RTECS #: DF8050000
LEAD ACETATE (II), TRIHYDRATE

TOXICITY DATA
IPR-MJS LD50: 174 MG/KG

TXAPA9 63,461,82

REVIEWS, STANDARDS, AND REGULATIONS

IARC CANCER REVIEW: ANIMAL SUFFICIENT EVIDENCE IN MEMDT 1,40,72
NIOSH REL TO LEAD, INORGANIC-AIR-TOH-TWA <0.1 MG(PB)/M3 NIOSH* DHHS
#92-100,92
NOES 1983: HZD X5250; NLS 3; TNE 95; NOS 3; TNE 845; TEL 433
NTP 7TH ANNUAL REPORT ON CARCINOGENS, 1992: ANTICIPATED TO BE
CARCINOGEN

TARGET ORGAN DATA

BLOOD (OTHER CHANGES)
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

ACUTE EFFECTS

HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN.
MAY CAUSE IRRITATION.
MAY CAUSE CONVULSIONS.

CHRONIC EFFECTS

CARCINOGEN.
MAY CAUSE REPRODUCTIVE DISORDERS.
MAY ALTER GENETIC MATERIAL.
TARGET ORGAN(S):
BLOOD
CENTRAL NERVOUS SYSTEM
PERIPHERAL NERVOUS SYSTEM

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--- HEALTH HAZARD DATA ---

G.I. SYSTEM
SKELETAL MUSCLE
KIDNEYS
FEMALE REPRODUCTIVE SYSTEM
MALE REPRODUCTIVE SYSTEM

FIRST AID

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN IMMEDIATELY. DISCARD CONTAMINATED CLOTHING AND SHOES.

ADDITIONAL INFORMATION

LEAD SALTS HAVE BEEN REPORTED TO CROSS THE PLACENTA AND TO INDUCE EMBRYO- AND FETO- MORTALITY. THEY ALSO HAVE 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. EXCESSIVE EXPOSURE CAN AFFECT BLOOD, NERVOUS AND DIGESTIVE SYSTEMS. THE SYNTHESIS OF HEMOGLOBIN IS INHIBITED AND RESULTS IN ANEMIA. IF LEFT UNTREATED, NEUROMUSCULAR DYSFUNCTION, POSSIBLE PARALYSIS AND ENCEPHALOPATHY CAN RESULT. ADDITIONAL SYMPTOMS OF OVEREXPOSURE INCLUDE: JOINT AND MUSCLE PAIN, WEAKNESS OF THE EXTENSOR MUSCLES (FREQUENTLY THE HAND AND WRIST), HEADACHE, DIZZINESS, ABDOMINAL PAIN, DIARRHEA, CONSTIPATION, NAUSEA, VOMITING, BLUE LINE ON THE GUMS, INSOMNIA AND METALLIC TASTE. HIGH BODY LEVELS PRODUCE INCREASED CEREBROSPINAL PRESSURE, BRAIN DAMAGE, STUPOR LEADING TO COMA AND OFTEN DEATH.

--- PHYSICAL DATA ---

SPECIFIC GRAVITY: 2.550

APPEARANCE AND ODOR
OFF-WHITE CRYSTALS

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--- FIRE AND EXPLOSION HAZARD DATA ---

EXTINGUISHING MEDIA

WATER SPRAY.
CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

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
MAY DECOMPOSE ON EXPOSURE TO LIGHT.
STRONG ACIDS
ABSORBS CO2 FROM AIR.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

TOXIC FUMES OF:
CARBON MONOXIDE, CARBON DIOXIDE
LEAD/LEAD OXIDES

--- SPILL OR LEAK PROCEDURES ---

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

EVACUATE AREA.
WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY
RUBBER GLOVES.
WEAR DISPOSABLE COVERALLS AND DISCARD THEM AFTER USE.
SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.
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 PRE-

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--- SPILL OR LEAK PROCEDURES ---

CIPITATION. 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 ENVIRONMENTAL REGULATIONS.

--- 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.
USE ONLY IN A CHEMICAL FUME HOOD.
DO NOT BREATHE DUST.
AVOID ALL CONTACT.
AVOID PROLONGED OR REPEATED EXPOSURE.
WASH THOROUGHLY AFTER HANDLING.

TOXIC.
CARCINOGEN.
REPRODUCTIVE HAZARD.
MUTAGEN.
KEEP TIGHTLY CLOSED.
AIR SENSITIVE.
STORE IN A COOL DRY PLACE.

LABEL PRECAUTIONARY STATEMENTS

TOXIC
MAY CAUSE CANCER.
MAY CAUSE HERITABLE GENETIC DAMAGE.
TOXIC BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.
DANGER OF CUMULATIVE EFFECTS.
REPRODUCTIVE HAZARD.
TARGET ORGAN(S):
NERVES
BLOOD
IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE (SHOW THE LABEL WHERE
POSSIBLE).
WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE
PROTECTION.
DO NOT BREATHE DUST.

REGULATORY INFORMATION

THIS PRODUCT IS SUBJECT TO SARA SECTION 313 REPORTING REQUIREMENTS.

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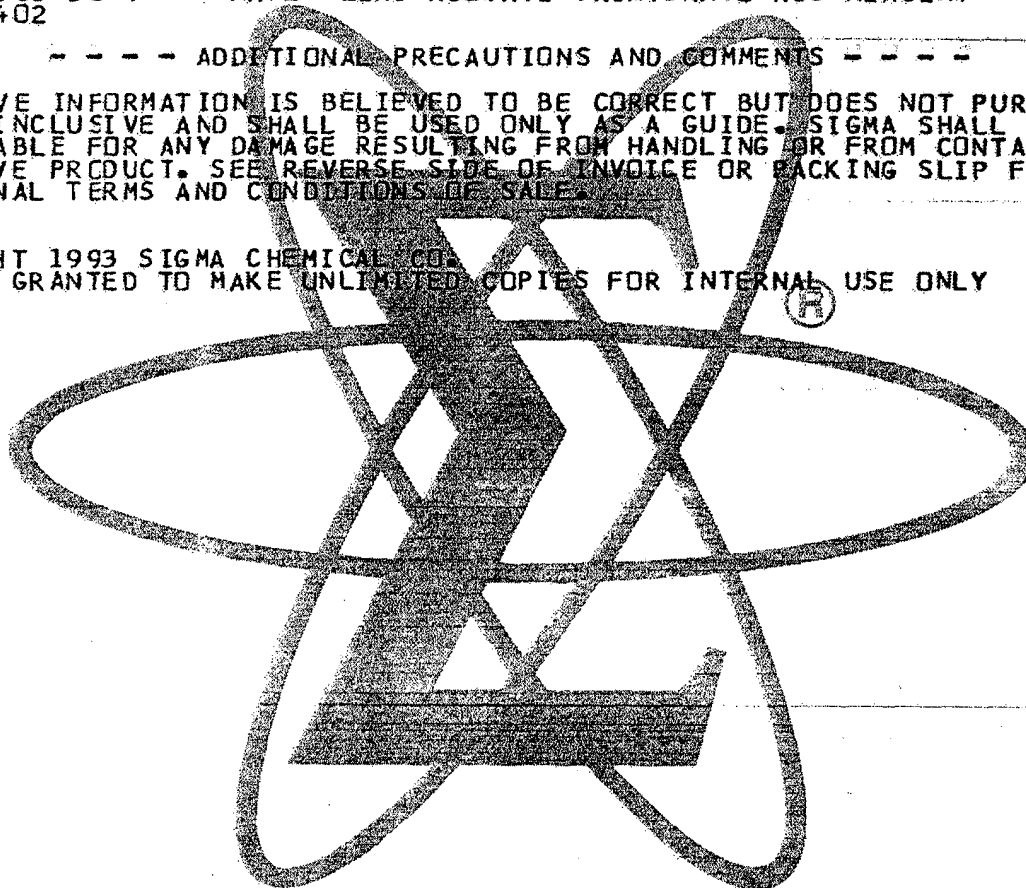
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--- ADDITIONAL PRECAUTIONS AND COMMENTS ---

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