



MAR 15 1991

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

EM SCIENCE
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Preparation Date: AUG 17, '89
Date Sent to Customer.....: MAR 12, '91
Information Phone Number :
(609) 354-9200
Chemtrec Emergency Number:
1-800-424-9300

JOYCE KILBY/RISK MGMT OF
UNIV OF WISCONSIN-WHITEWATER
800 W. MAIN ST-LIBRARY RM 2008
WHITEWATER, WI
53190

NFPA HAZARD RATINGS
Health: 1 Flammability: 0
Reactivity : 0 Special Hazards.: OXY

Catalog Number(s): SECTION I - GENERAL INFORMATION
LX0159 LX0160 7397 7398

Chemical Name.....: Lead Nitrate
Trade Name.....: Lead (II) Nitrate
C.A.S. Number.....: 10099-74-8
Chemical Family...: Metal Salt
Formula.....: Pb(NO₃)₂

Molecular Weight.: 331.2
DOT Shipping Name: Lead Nitrate
DOT Number.....: UN1469

Biocides

SECTION II - HAZARDOUS INGREDIENTS

None other than specified product

SECTION III- PHYSICAL DATA

Boiling Point (C° 760 mm Hg) : N/A
Melting Point (C°) : 470 dec
Specific Gravity (H₂O = 1) : 4.53
Vapor Pressure (mm Hg) : N/A 20C
Percent Volatile by Vol (%) : N/A
Vapor Density (Air=1) : N/A
Evaporation Rate (BuAc=1) : N/A
Solubility in Water (%) : Soluble
Appearance and Odor : Clear, white odorless crystals

SECTION IV - FIRE & EXPLOSION HAZARD DATA

Flash Point (F°) : None
Flammable Limits LEL % : N/A
Flammable Limits UEL % : N/A
Extinguishing Media : Flooding amounts of water
Fire Fighting Proc : Wear self-contained breathing apparatus
and protective clothing.
Fire & Expl. Hazards : Lead nitrate is a powerful oxidizer. In contact
with easily oxidizable substances, it may react rapidly enough to
cause ignition, violent combustion, explosion. Explodes on contact
with red hot carbon; cyclopentadienylsodium (at 100-130C); potassium
acetate + heat.

SECTION V - HEALTH HAZARD DATA (ACUTE AND CHRONIC)

ACGIH TLV/OSHA PEL (TWA) : (TLV) 0.15 mg (Pb)/cu.m.
(PEL) 0.05 mg (Pb)/cu.m.

Toxicity Data : ipr-rat LDLo: 270 mg/kg

Symptoms of Exposure :
Harmful by ingestion, inhalation and skin absorption.
Cumulative poison, possibly fatal.
Symptoms include: dizziness, mental impairment, appetite and
weight loss, constipation, anemia, abdominal pains,
gingival lead line, vomiting, convulsions, headaches.
Pregnant women should be aware that experiments with laboratory
animals suggest possible teratogenic effects on preborn offspring.

Medical Cond. Aggravated by Exp: Pregnancy
Routes of Entry : Inhalation, ingestion or skin contact.
Carcinogenicity :
The material is not listed as a cancer causing agent.

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IARC Carcinogenic Review: Animal inadequate evidence.

Emergency First Aid.....:

GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE.
Skin: Immediately flush thoroughly with large amounts of water.
Eyes: Immediately flush thoroughly with water for at least 15 minutes.
Inhalation: Remove to fresh air; give artificial respiration if breathing has stopped.
Ingestion: If conscious, induce vomiting.

SECTION VI - REACTIVITY DATA

Stability.....: YES

Conditions to Avoid.....: Heat, shock, dusting.

Reacts violently with ammonium thiocyanate; carbon; lead hypophosphite.

Materials to Avoid.....: () Water () Acids

() Bases () Corrosives (X) Oxidizers

(X) Other: Lead hypophosphite, Ammonium thiocyanate, Reducing agents, combustibles

Hazardous Polymerization.: Does not occur

Hazardous Decomposition.: NO_x, Pb

SECTION VII - ENVIRONMENTAL PROTECTION PROCEDURES

Spill Response:

Take up and containerize for proper disposal

Waste Disposal: To be performed in compliance with all current local, state and federal regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Ventilation, Respiratory Protection, Protective Clothing, Eye Protection:

Material must be handled or transferred in an approved fume hood or with equivalent ventilation.

Protective gloves must be worn to prevent skin contact (Neoprene or equivalent).

Safety glasses with side shields must be worn at all times.

NIOSH/MSHA-approved respirator should be worn in the absence of adequate ventilation.

SECTION IX - SPECIAL PRECAUTIONS

Handling & Storage.....:

-Keep container closed and protected against physical damage
Store in a cool, dry, well-ventilated area away from incompatible, combustible, organic, or other readily oxidizable materials

Avoid storage on wood floors

Do not breathe dust.

Do not get in eyes, on skin or on clothing

Work/Hygienic Practices: Wash thoroughly after handling. Do not take internally. Eye wash and safety equipment should be readily available.

SECTION X - OTHER INFORMATION

Comments.....:

Tests on laboratory animals indicate material may produce adverse mutagenic and reproductive effects.

Revision History.....: 2/82, 11/83, 2/25/87, 10/27/87

N/A = Not available: