MATERIAL SAFETY DATA SHEET
OSHA HAZARD COMMUNICATION RULE

DATE OF LAST REVISION: 05-09-96

CHEMICAL IDENTITY

LABEL IDENTITY
CHEMICAL NAME/SYNONYMS
FORMULA
CHEMICAL FAMILY
CALCULATED MOLECULAR WEIGHT
CAS REGISTRY NUMBER
HAZARDOUS INGREDIENTS

LEAD
LEAD
Pb
METAL
207.19
7439-92-1, LISTED IN THE TSCA INVENTORY
LEAD

%: 100
TLV: .15mg/m³
OSHA/PEL: .05mg/m³

PHYSICAL AND CHEMICAL PROPERTIES

COLOR, FORM AND ODOR
BOILING POINT
DENSITY (gm/cc)
VAPOR PRESSURE @ 20°
% VOLATILE BY VOLUME (%)
REACTION WITH WATER
EVAPORATION RATE (H₂O=1)
SOLUBILITY IN WATER
MELTING POINT

Soft silvery pieces, gray powder; no odor
1740
11.3437
NA
NA
None
NA
Insoluble
327.502

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT
AUTOIGNITION TEMPERATURE (°C)
FLAMMABILITY
EXTINGUISHING MEDIA
SPECIAL FIRE FIGHTING PROCEDURES
UNUSUAL FIRE & EXPLOSION HAZARDS

NA
NA
Slightly; as fine powder
Agents for metal fires such as dry graphite, MET-L-X, or TEC
Wear full protective clothing including SCBA unit when fighting fires involving hazardous chemicals
Contamination
LEAD
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HEALTH HAZARD INFORMATION

TOXICITY DATA

rat-ip LD100: 1000mg/kg

gpg-ip LDLO: 100mg/kg

HMIS RATING:

HEALTH: 2*

FLAMMABILITY: 0

REACTIVITY: 0

PERSONAL PROTECTION: E

ROUTES OF ENTRY

INHALATION: Yes

SKIN: Yes

INGESTION: Yes

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:

No data

EFFECTS OF OVEREXPOSURE (acute and chronic):

INHALATION: lead has no immediate effects on the lungs. It is a cumulative poison requiring repeated exposure to induce effects. Effects are described below.

DERMAL/EYE: may cause irritation to the skin and eyes. May be absorbed by skin.

OTHER: repeated inhalation or ingestion of this compound could cause nausea, vomiting, diarrhea, metallic taste, abdominal pain and tenderness, loss of appetite, headache, irritability and muscle pain. Continued exposure may lead to permanent neurological injury.

CARCINOGENICITY: none

NTP: ND

IARC MONOGRAPHS: ND

OSHA REGULATE: ND

EMERGENCY FIRST AID PROCEDURES:

INGESTION: Administer fluids and induce vomiting, seek medical attention

INHALATION: Remove to fresh air, seek medical attention

SKIN CONTACT: Wash affected area with soap and water

EYE CONTACT: Flush eyes for at least 15 minutes with lukewarm water, if irritation persists seek medical attention.

REACTIVITY DATA

STABILITY

Stable

CONDITIONS CONTRIBUTING TO UNSTABILITY

None

INCOMPATIBILITY (MATERIALS TO AVOID)

NH4, NO3, ClF3, H2O2, NaN3, Na2C2, Zr, oxidants

HAZARDOUS DECOMPOSITION PRODUCTS

Pb fumes

HAZARDOUS POLYMERIZATION

Will Not Occur

CONDITIONS TO AVOID

None
LEAD
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SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Wear protective clothing. Avoid raising dust by using dust suppresser or vacuuming spill with vacuum equipped with HEPA filter. Avoid dry sweeping.

WASTE DISPOSAL METHOD:
Dispose of in an approved hazardous waste facility. EPA number: D008

SPECIAL PROTECTIVE INFORMATION

RESPIRATORY PROTECTION
High efficiency respirator approved for dust-mists-fumes

LOCAL EXHAUST
Maintain exposure below TLV

MECHANICAL (general)
Not recommended

SPECIAL
NA

OTHER
NA

PROTECTIVE GLOVES
Neoprene

EYE PROTECTION
Safety glasses

OTHER PROTECTIVE EQUIPMENT
Wear protective clothing to prevent contamination of skin and clothes

SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING/STORAGE:
Wash thoroughly after handling and before eating, drinking or smoking. Store in cool, dry location in tightly closed container.

TRANSPORTATION REQUIREMENTS

DOT CLASS: Not Classified
UN NUMBER: NC
IMCO CLASS: NC
OTHER:

PRECAUTIONARY LABELING
NONE

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NA= NOT APPLICABLE
ND= NO DATA FOUND