

Material Safety Data Sheet for Lead

Product Identity

Chemical Name Lead
Trade Name Lead
Formula Pb
CAS Number 7439-92-1
Physical Form Solid

Emergency Contact

Vulcan Resources, Inc. 800-776-7152
Division of Vulcan GMS, Inc.
1400 West Pierce Street
Milwaukee, WI. 53204 800-932-5323

Composition

Material Lead Sheet 99.90% Pb
Permissible Air level OSHA - 0.05 mg/m³ AOGIH 0.15 - mg/m³
CAS Number 7439-92-1

Note: Lead exposure is regulated by OSHA 1910.1025

Health Hazard Information

OSHA Permissible Level of Exposure 0.05 mg/m³
AOGIH Threshold Limit Value 0.15 mg/m³
Primary Route of Entry Inhalation of lead dust and fumes that may result from the processing of this metal.

Symptoms and Effects of Acute Overexposure

While it is possible for lead taken in extreme large doses to cause encephalopathy, a brain condition that can result in seizures, coma and death; exposures of this magnitude are highly unusual.

Chronic Overexposure

May result in damage to the blood forming, nervous, urinary and reproductive systems. Common symptoms of over exposure to lead include loss of appetite, metallic taste in the mouth, anxiety, constipation, nausea, pallor, excessive tiredness, weakness, insomnia, headache, nervous irritability, muscle and joint soreness, tremors, dizziness and abdominal pain.

Medical Conditions Generally Aggravated by this Material

Diseases of the blood forming, urinary and reproductive systems. Exposure to lead may result in injury to developing fetus.

EMERGENCY AND FIRST AID PROCEDURES

If a person breathes in a large amount of dust or fumes, remove from exposure. If breathing has stopped, perform artificial respiration. Call a physician.

If lead has been ingested, induce vomiting if the individual is conscious. Call a physician.

If lead gets in eyes, flush with large amounts of water. Call a physician.

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Exposure Control Measures

Engineering- Use ventilation to exhaust dust and fumes that may result from the processing of this material. Maintain exposure levels within OSHA limits.

Personal Protective Equipment Use a NIOSH/MSHA respirator approved for lead if exposure exceeds the OSHA limit. Wear Eye Protection when handling or processing this material.

Reactivity Data

Stability	Lead is stable
Incompatibility	Chlorine Trifluoride (in the essence of carbon)
Hazardous Decomposition Products	Lead Oxide Fumes
Hazardous Polymerization	Will not occur

Fire and Explosion Hazard Data

Flash Point - Not applicable	Flammable Limits	LEL --*-- UEL --*--
Extinguishing Media	Dry Chemical or sand.	
Special Fire Fighting Procedures	Wear Protective fire fighting clothing and self contained breathing apparatus.	
Unusual Fire and Explosion Hazards	See Reactivity Data	

Precautions for Safe Handling

Precautions for Safe Handling and Storage - None Needed.

Steps to be taken if Material is Released or Spilled - Clean up by vacuuming to minimize dust exposure. Provide cleanup employees with respirators if the possibility of exposure to fumes exist.

Waste Disposal Methods - Dispose of in accordance with federal, state and local laws

Note - This Material was reported in the initial TSCA inventory.

Physical Chemical Properties

Melting Point	328° C
Specific Gravity	(H2) = 1) 11.43
Vapor Pressure	@ 20° C essentially Zero
Solubility in Water	Insoluble
Appearance and Color	Silver-gray Metal. Odorless. Solid in Various Sizes.

Date Prepared November 20, 1985

Date Revised December 10, 1999

California Notification

WARNING - This product contains a chemical known to the State of California to cause birth defects, or other reproductive harm, or cancer.

Notice - Should the contents of this package be removed from this originally labeled container and subsequently stored or sold, sold piecemeal, broken down for resale or repackaged, then appropriate labeling is required by law for each individual piece or container.

Vulcan Resources, Inc. - Milwaukee, WI. 53204 - (800)-776-7152