

**CANADA METAL (PACIFIC) LIMITED  
MATERIAL SAFETY DATA SHEET**

**SECTION I - PRODUCT IDENTIFICATION**

Trade Names and Synonyms	Lead, Sheet Lead, Lead Pipe
Chemical Names and Synonyms	Metallic Lead
Chemical Family	Metal

**SECTION II - INGREDIENTS**

Ingredient	C.A.S. Number	% W/W		Exposure Limit	LD50 oral, rat
		Min	Max		
Lead	7439-92-1	99.97	99.99	.15mg/m3	no data

**SECTION III - PHYSICAL DATA**

Boiling Point (°C)	1750	Specific Gravity	11.34
Vapour Pressure (mm Hg)	1 at 975 deg C	% Volatile	NP
Vapour Density ( Air=1 )	7.1	(by volume)	
Solubility in Water	NIL	Evaporation Rate	NP
Appearance	Silver Grey Metal	( Ether=1 )	
Odour	None	pH	NP
Form	Pig, ingot, sheet, pipe	Melting Point (°C)	317

WHMIS Classification	D-2A	TDG Information
NP = Not Pertinent U = Unknown		Shipping name: UN Number: Class/Division: Packing Group

**SECTION IV - FIRE AND EXPLOSIVE HAZARDS**

Flash Point (°C) and Method	Flammable Limits in Air (Vol %)	
NP	Upper:	NP
	Lower:	NP
Means of Extinction: Dry chemical, carbon dioxide or foam		

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**SECTION V - HEALTH HAZARDS AND FIRST AID DATA**

Ingestion	Effects:	May cause headache, nausea, abdominal pain, fatigue and muscle soreness
	First Aid:	Give water or milk. If conscious, induce vomiting. Suspect cases should be reported to physician for
Eye Contact	Effects:	Molten lead could splash into eye.
	First Aid:	Flush with cool water for 15 minutes and seek immediate medical aid.
Skin Contact	Effects:	NP
	First Aid:	Remove contaminated clothing and wash affected area with soap and water.
Skin Absorption	NP	
Inhalation	Fume can cause local irritation to the respiratory system. See also "ingestion" effects.	
Effects of Acute Exposure	See "ingestion" and "inhalation" effects.	
Effects of Chronic Exposure	Possible anemia, central nervous system and kidney damage.	
Carcinogenicity: IARC ( Yes ) Mutagenicity: Teratogenicity: Reproductive Effects: Yes		

**SECTION VI - REACTIVITY DATA**

Stability: Stable - Yes	Conditions to Avoid: NP					
Incompatible Materials:	Water:	No	Acid:	No	Oxidisers:	Yes
	Corrosive:	No	Alkali:	No	Reducers:	No
	Other:	No				
Hazardous Decomposition						
Products: Toxic lead oxide fume will form at elevated temp						
Hazardous Polymerization: May Occur: No						

**SECTION VII - PREVENTION MEASURES**

Steps to be Taken in Case Material is Released or Spilled:  
If solid, wear gloves, pick up and return to process. If dust, wear personal protection and use a vacuum.  
Return to process.

Waste Disposal Method:  
Return to manufacturer, scrap dealer, or secondary lead smelter.

Respiratory Protection:  
Wear approved fume/dust respirator if exposure limit at or near exposure limit.

Engineering Controls	Local Exhaust: Use to maintain ambient levels below exposure limits.	Special:
	Mechanical (General):	Other:
Protective Gloves: Cotton or other cloth glove	Eye Protection: Safety glasses, goggles, face shield if molten	
Other Protective Equipment: Heat resistant leggings and gloves if pouring molten lead		

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**SECTION VIII - SPECIAL PRECAUTIONS**

Precautions to be Taken in Handling and Storing:  
Biological monitoring of workers exposed to fume/dust is recommended. Practice good personal hygiene.

Special Precautions and Waste Disposal Methods:  
Return to manufacturer, scrap dealer or secondary lead smelter.

**SECTION IX - PREPARATION INFORMATION**

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