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MATERIAL SAFETY DATA SHEET

Section 1- PRODUCT IDENTIFICATION

COMPOSITION Pb	PRODUCT NAME Lead
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Section 2- HAZARDOUS INGREDIENTS

Note: Products under normal conditions do not represent an inhalation, ingestion or contact health hazard.

MATERIAL OR COMPONENT	CAS NUMBER	WT%	EXPOSURE LIMITS	
			OSHA PEL (Mg/M3)	ACGIH TLV(MG/M3)
Lead	7439-92-1	100	.05mg(Pb)/m³	.15mg(Pb)/m³

Section 3- PHYSICAL DATA

MATERIAL IS (AT NORMAL CONDITIONS) <input type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Gas <input type="checkbox"/> Other	APPEARANCE AND ODOR Silver-Blue pieces & powder. No odor.
MELTING POINT (BASE METAL) 327.5°C	SPECIFIC GRAVITY 11.3437

Section 4- FIRE AND EXPLOSION

Flash Point (Method Used) N/A	Flammable Limits N/A	LEL N/A	UEL N/A
EXTINGUISHING MEDIA Use suitable extinguishing media for surrounding materials and type of fire.			
SPECIAL FIRED FIGHTING PROCEDURES Wear full face self contained breathing apparatus and full protective clothing. Isolate run-off to prevent environmental pollution.			
UNUSUAL FIRE AND EXPLOSION HAZARDS When heated to decomposition, may emit toxic lead oxide fumes.			

Section 5- REACTIVITY DATA

STABILITY Stable	INCOMPATIBILITY (MATERIALS TO AVOID) Oxidizing agents, hydrogen peroxide, sodium acetylene and rubber
CONDITIONS TO AVOID None	
HAZARDOUS DECOMPOISTION PRODUCTS Fumes of lead oxide	

Section 6- HEALTH HAZARD GUIDE

MAJOR EXPOSURE HAZARD

Inhalation Skin Skin Absorption Eye Contact Ingestion

EFFECTS OF OVEREXPOSURE

INHALATION: Acute: May cause irritation to the upper respiratory system. Insomnia, dryness of the mouth and metallic taste. Chronic: May cause chronic lead toxicity. May be toxic to the central and peripheral nervous system affecting the cerebellum, spinal cord, motor and sensory nerves.

SKIN CONTACT: Acute: May cause irritation.

EYE CONTACT: Acute: May cause irritation.

INGESTION: Acute: May cause constipation and abdominal pain, colic, tremors, nausea, vomiting, diarrhea, metallic taste, loss of appetite, irritability and muscle pain. Chronic: May cause anemia, gingival lead line, paralysis in the wrist and permanent neurological injury.

EMERGENCY & FIRST AID PROCEDURES

INHALATION: Remove from exposed area to fresh air immediately. If breathing is difficult, give oxygen.

SKIN CONTACT: Remove contaminated clothing. Wash affected area with soap or mild detergent and large amounts of water until no evidence of the chemical remains. **EYE**

CONTACT: Wash eyes immediately with large amounts of water lifting upper and lower lids, until no evidence of the chemical remains.

INGESTION: Give 1-2 glasses of milk or water to induce vomiting.

Section 7- SPILL OR LEAK PROCEDURES

SPILL OR LEAK PROCUDRES

Wear appropriate protective equipment. Isolate spill area and provide ventilation.

Vacuum spill and place in a proper container for disposal.

WASTE DISPOSAL METHODS

Dispose in accordance with federal, state and local regulations.

Section 8- SPECIAL PROTECTION

RESPIRATORY

NIOSH/MSHA approved respirator. Select according to OSHA 29 CFR 1910.1025(f)(2) Table II

VENTILATION

Local exhaust to maintain level below the TLV, PEL.

EYE PROTECTION & PROTECTIVE CLOTHING

Rubber gloves, protective gear suitable to prevent contamination. Safety glasses.

Section 9- SPECIAL PRECAUTIONS

Implement engineering and work practice controls to reduce and maintain concentration of exposure at low levels. Use good housekeeping and sanitation practices. Do not use tobacco and food in work area. Wash thoroughly before eating and smoking. Do not blow dues of clothing with compressed air.

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