

**PRODUCT IDENTIFICATION**

Trade Names:                      Lead Sheet, X-ray Sheet

**HAZARDOUS IDENTIFICATION**

Main Hazards:                      The product in solid, metallic form is unlikely to be hazardous.

Other Hazards:                      Lead is a toxic metal. Hazardous fumes and oxidic compounds (drosses) of lead may be produced when the metal is melted. During storage, a surface film of lead compounds can form on the surface of the product, due to oxidic corrosion. Where exposure to lead compounds is significant, medical examination prior to and after such exposure is a statutory requirement.

**PHYSICAL DATA**

Color	Bluish Gray
Atomic Number	82
Weight	709 lb. per cu. ft.
Density	11.35 g. per c.c.
Melting Point	327.4° C /621° F
Specific Gravity	11.36 @ 68' - 77'F

**FIRE AND EXPLOSION HAZARDS DATA**

Flash Point :                              Non-Flammable

Flammable Limits :                      Not Applicable

Extinguishing Media :                      No specific agents recommended

Special fire fighting Procedures :                      Use full body protective clothing and full-facepiece, self-contained breathing Apparatus operated in appositve-pressure mode

Unusual fire and Explosion hazards :                      None

## **HEALTH HAZARD INFORMATION**

### TYPES OF EXPOSURE WHEN PROCESSING OR HANDLING

Inhalation:	Dust, vapor and/or fume may be irritating to the respiratory system, and can result in both acute and chronic overexposure.
Skin Contact:	Dust, vapor and/or fume may cause irritation.
Skin Absorption:	Dust, vapor and/or fume are not readily absorbed through the skin.
Eye Contact:	Dust, vapor, and/or fume may be absorbed by the digestive system, and can result in both acute and chronic overexposure.

### **EFFECTS OF OVEREXPOSURE**

Acute Overexposure:	If left untreated: headache, chills, nausea, weakness, vomiting, loss of appetite, uncoordinated body movements, convulsions, stupor, and possibly coma.
Chronic Overexposure:	If left untreated: weakness, insomnia, hypertension, slight irritation to skin and eyes, metallic taste in mouth, anemia, constipation, headache, muscle and joint pains, metal fume fever, ulceration of nasal septum, neuromuscular dysfunction, possible paralysis and encephalopathy.

### **EMERGENCY AND FIRST AID PROCEDURES**

Eyes:	Flush with copious quantities of water. Get immediate medical attention.
Skin:	Wash thoroughly with soap and water.
Inhalation:	Remove from exposure. Get medical attention if experiencing effects of overexposure.
Ingestion:	Get immediate medical attention

### **REACTIVITY DATA**

Stability :	Stable
Conditions To Avoid :	Not Applicable
Incompatibility :	Strong Oxidizers, Hydrogen Peroxide, Active Metals such as Sodium, Potassium. Powered lead fused with ammonium nitrate may cause a violent reaction. NEVER mix molten metal with water - it will explode.
Hazardous Decomposition Products :	At temperatures above the melting point lead oxide fumes may be evolved.
Hazardous Polymerization :	Will not occur

## **SPILL OR LEAK PROCEDURES**

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- 1) Material in dust form - minimize exposure. Clean up using dustless methods (e.g. HEPA vacuum). Do not use compressed air.
- 2) Place in closed labeled containers for recycling or disposal.
- 3) Keep out of water ways.

Note: Cleanup personnel should wear protective clothing and respiratory protection where dust/fume exposure exists.

### **WASTE DISPOSAL METHODS :**

May have value on a recycled basis. If disposed of, do so in a Permitted disposal site in accordance with all federal, state, and local disposal or discharge regulations.

## **SPECIAL PROTECTION INFORMATION**

Respiratory Protection: Approved respirator.

Ventilation: Local

Exhaust: Adequate ventilation required.

Protective Gloves: Gloves should be worn when handling the product.

Eye/Face Protection: Safety Glasses with Side Shields

Other Clothing & Protective Equipment: Coveralls, or other full body clothing, shall be worn during product use and properly laundered after use, with the wash water disposed of in accordance with local, state, and federal regulations. Helmet, safety boots and other safety equipment should be worn as appropriate for the industrial environment. Personal clothing and shoes should be protected from contamination with this product

## **SPECIAL PRECAUTIONS**

There are two major means of heavy metal absorption: namely, inhalation and ingestion. Most inhalation problems can be prevented with adequate use of aforementioned ventilation and respirator information. Always exercise normal, food personal hygiene prior to eating. Eating should be confined to non-contaminated areas.

Work clothes and equipment should remain in designated lead contaminated areas, and never taken or laundered with personal clothing. Launder contaminated clothing before reuse.

Wash hands, face, neck, and arms thoroughly before eating.

The product is intended for industrial use only, and should be isolated from children and their environment. Caution must be exercised not to expose anyone to the smoke fumes and dust generated from the use of this product..