

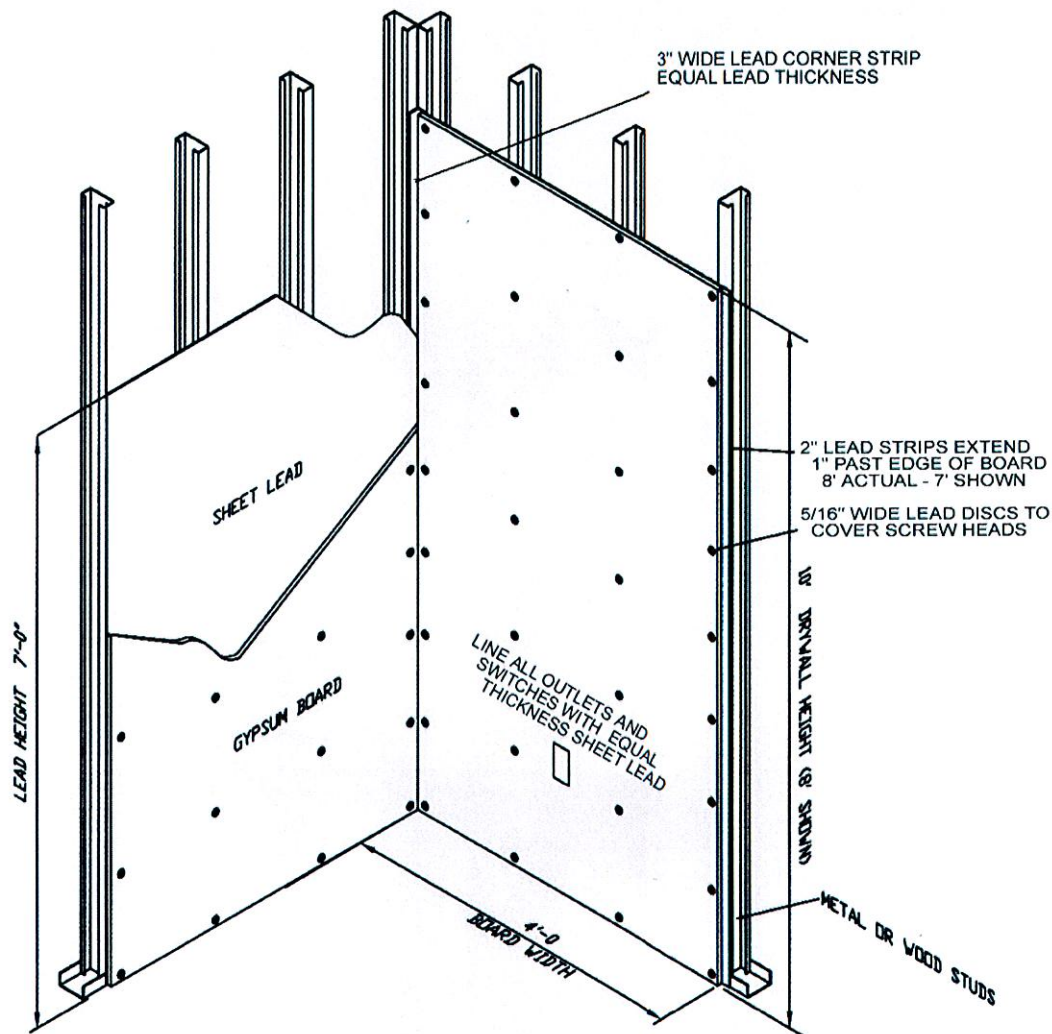
## **LEAD LINED GYPSUM BOARD – 48" LEAD WIDTH – WITH 2" STRIPS**

Mayco Industries, Inc. lead lined gypsum board is furnished in 1/2", 5/8" and 3/4" fire code (Type X-Ray Shielded Gypsum) gypsum board meeting classification ASTM C 1396 with pure lead sheet meeting federal specification QQ-L-201 F and ASTM B 749-03 Standard Specification for Lead and Lead Alloy Sheet, Strip and Plate products – see NCRP Reports #33, #39, #45, #147 and #151. The lead lined drywall is manufactured to make a complete component system. The lead extends over the width of the gypsum board and 2" strips are included to cover the vertical joints between each of the boards. Strips are required at the corners.

Shielding accessories for installation include lead discs of the same or greater thickness of the lead lined gypsum board for screw penetrations and sheet lead for backing and shielding cutouts for electrical, plumbing, medical gas or other penetrations as well as corners.

Available in standard thicknesses of 1/64", 1/32", 3/64", 1/16", 5/64", 3/32" and 1/8" in standard heights of 7' and 8'. Custom thicknesses and heights are available upon request. Lead thickness greater than 1/8" should be on lead-lined plywood.





MAYCO lead backed gypsum wallboard is furnished as 1/2" and 5/8" fire code gypsum board meeting classification ASTM C 1396 with pure lead sheet meeting federal specification QQ-L-201 F, which is factory laminated to the back side of the gypsum panel. The lead extends over the width of the gypsum board and 2" strips are included to cover the vertical joints between each of the boards. Strips are also required at the corners.

Shielding accessories for installation include 2" lead strips, lead discs for screw penetrations, and sheet lead for backing and shielding of cutouts for electrical, plumbing, medical gas or other penetrations as well as corners



18 West Oxmoor Road, Birmingham, Alabama 35209  
TEL (800)749-6061 TEL (205)942-4242 FAX (205)945-8704

### LEAD LINED GYPSUM BOARD WITH 2" STRIPS

|                 |                    |              |  |
|-----------------|--------------------|--------------|--|
| DATE<br>1/30/09 | DRAWN BY<br>PGH    | ORDER NUMBER |  |
| REVISED         | DWG<br>LLGYPHS.DWG | SCALE<br>NTS |  |



**MATERIAL SAFETY DATA SHEET – LEAD**  
(Also Available in Spanish, See Section 16)

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**SECTION 1 - PRODUCT IDENTIFICATION and COMPANY INFORMATION**

**Product Name:** Lead

**Synonyms:** Lead, sheet; Lead, bricks; Lead, flashings; Lead, ingot; Lead, pipe; Lead, wool; Lead, solder; Lead alloy, and other miscellaneous Lead products

**CAS No:** 7439-92-1

**Molecular Weight:** 207.19

**Chemical Formula:** Pb

**Contact Information:**  
**Mayco Industries, Inc.**  
18 West Oxmoor Road  
Birmingham, AL 35209

**Phone:** 205-942-4242

**Sales:** 800-749-6061

**Web site:** [www.maycoindustries.com](http://www.maycoindustries.com)

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**SECTION 2 – COMPOSITION and INFORMATION on INGREDIENTS**

| <u>Material</u> | <u>% by Wt.</u> | <u>CAS #</u> | <u>OSHA EXPOSURE LIMIT</u> |
|-----------------|-----------------|--------------|----------------------------|
| Lead            | 91 – 99.99      | 7439-92-1    | 0.05 mg/cubic meter        |
| Antimony        | 0.5 – 9.0       | 7440-36-0    | 0.50 mg/cubic meter        |

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**SECTION 3 – HAZARDS IDENTIFICATION**

Potential Health Effects

**Inhalation:** Lead dust and fume can be absorbed through the respiratory system. Local irritation of bronchia and lungs can occur. In cases of acute exposure, symptoms such as metallic taste, chest and abdominal pain, and increased blood lead levels may follow.

**Ingestion:** POISON. The symptoms of lead poisoning include abdominal pain and spasms, nausea, vomiting and headache. Acute poisoning can lead to muscle weakness, metallic taste, loss of appetite, insomnia, dizziness, high levels of lead in blood and urine, coma and death in extreme cases.

**Skin Contact:** Lead may be absorbed through the skin after prolonged exposure. Contact over short periods may cause local irritation.

**Eye Contact:** May cause eye irritation.

Signs & Symptoms of Overexposure

**Acute (short term) exposure:** Lead is a potent, systemic poison; taken in large enough doses, lead can kill in a matter of days. Acute encephalopathy may arise which develops quickly to seizures, coma and death from cardio-respiratory arrest.

**Chronic (long term) exposure:** Chronic overexposure to lead may result in severe damage to blood forming, nervous, urinary and reproductive systems. Some common symptoms of chronic overexposure include loss of appetite, metallic taste in mouth, anxiety, constipation, nausea, pallor, excessive tiredness, weakness, insomnia, headache, nervous irritability, muscle & joint pain, fine tremors, numbness, dizziness, hyperactivity, colic.

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## **SECTION 4 – FIRST AID MEASURES**

### Emergency & First Aid Procedures

Inhalation: Remove from exposure. Get medical attention if individual experiences any of the acute effects listed above.

Skin: Wash thoroughly with soap and water.

Eyes: Flush with cool running water for at least 15 minutes. Get medical attention if irritation develops.

Ingestion: Get medical attention.

### Potential to Cause Cancer

Lead has been proven to cause cancer in animals. Certain lead compounds are suspect human carcinogens.

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## **SECTION 5 - FIRE and EXPLOSION DATA**

Flash Point: Not applicable

Extinguishing Media: Dry chemical, foam or CO2

Special Fire Fighting Procedures: Use positive pressure, self-contained breathing apparatus.

Unusual Fire and Explosion Hazard: None

Lead is not considered to be a fire hazard. Powder/dust is flammable when heated or exposed to flame.

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## **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

Protective Measures To Be Taken If Material Is Released Or Spilled: Mechanically collect material and place in drums. Use of a vacuum system with a high-efficiency filter is preferable. Process collected material through in-plant reclamation system or send to a lead smelter for reclamation following applicable federal, state and local regulations.

Use protective clothing, gloves and respiratory protection when cleaning up spills.

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## **SECTION 7 – HANDLING and STORAGE**

Precautions: Store in a protected area. Keep away from heat and sources of ignition. Do not ingest. Do not breathe dust or fume. Wear suitable protective clothing. Keep away from incompatibles such as oxidizing agents.

### Other Handling & Storage Precautions

Occupational exposure to elemental lead, inorganic lead compounds and lead soaps (except in the construction industry and agricultural operations) is regulated by the Occupational Safety and Health Administration, Title 29 CFR 1910.1025, "Lead". The aforementioned OSHA regulation should be consulted to assure employees working with lead are properly protected. Exposure to lead in the construction industry is regulated by the Occupational Safety and Health Administration, Title 29 CFR, 1926.62.

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## **SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

### Control Measures

Engineering Controls: Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust or fume, use ventilation to control airborne contaminants.

Work Practices: Avoid generating dust. Do not throw scrap to avoid generation of dust. Store scrap in appropriate containers and keep covered. Do not dry sweep or use compressed air to remove accumulations of lead dust. Vacuuming, using a high-efficiency filtration system is the preferred method for clean-up.

#### Personal Protection

If the OSHA exposure limit for lead is exceeded and engineering controls are not feasible, a half-face high efficiency respirator may be worn for up to ten times the exposure limit. Other recommended personal protective equipment (PPE) includes protective clothing, including boots and gloves to prevent prolonged skin contact, and safety glasses or goggles.

#### Other control Measures

Eating, drinking, smoking, and the application of cosmetics should not be permitted in areas where lead products are handled, processed, or stored.

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### **SECTION 9 – PHYSICAL and CHEMICAL PROPERTIES**

Material, at normal temperature, is: Solid

Boiling Point, at 760 mm Hg: 1740 C

Specific Gravity: 11.3 (Water = 1)

Vapor Density: Not Applicable

% Volatile by Weight: Not Applicable

Appearance & Odor: Solid, gray with bluish or silvery cast depending on alloy. No odor

Melting Point: 327° C (620° F)

Vapor Pressure: 1 mm Hg @ 970

Solubility in Water: Slightly soluble in water in the presence of nitrates, ammonium and carbon dioxide

Evaporation Rate: Not applicable

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### **SECTION 10 – STABILITY and REACTIVITY**

Stability: Stable

Incompatibility (materials to avoid): Reactive with strong Oxidizers

Hazardous Polymerization: Will not occur

Conditions to Avoid: Avoid contact with incompatible materials

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### **SECTION 11– TOXICOLOGICAL INFORMATION**

Investigated as a tumorigen, mutagen and reproductive effector. Lead is a human reproductive hazard.

Lead is a probable human carcinogen, proven for animals.

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### **SECTION 12– ECOLOGICAL INFORMATION**

Precautions should be taken to prevent the release of lead into the environment. Lead may bioaccumulate to some extent

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### **SECTION 13– DISPOSAL CONSIDERATIONS**

Lead scrap can be recycled. Waste materials must be disposed in accordance with federal, state and local environmental requirements.

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### **SECTION 14– TRANSPORT INFORMATION**

Lead metal is not a DOT regulated material.

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## SECTION 15- OTHER REGULATORY INFORMATION

California Proposition 65: Lead in this product is known to the State of California to cause cancer, birth defects, reproductive harm, and other serious injury and would require a warning under the statute.

### HMIS (U.S.A.)

Health Hazard: \*2

Fire Hazard: 0

Reactivity: 0

Personal Protection: F

### National Fire Protection Association (U.S.A)

Health Hazard: 2

Flammability: 0

Reactivity: 0

Specific hazard:

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## SECTION 16- OTHER INFORMATION

**Date MSDS Updated: March 10, 2011**

*Note: The information contained in this MSDS was obtained from sources that are believed to be reliable and represents the best information currently available to us. It is the users' responsibility to determine the suitability of this information for adoption of necessary safety precautions for their particular purposes. Mayco Industries, Inc. does not assume responsibility and expressly disclaims liability for any loss, damage, or expense arising out of, or in any way connected with the handling, storage, use, or disposal of the product identified in this MSDS.*

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**Disponibilidad en Español: Este FDS está disponible en Español en el Sitio Web de Mayco o usted puede llamar a Mayco y solicitar que le sea enviado vía fax, o correo.**