MAYCO INDUSTRIES LLC™

MATERIAL SAFETY DATA SHEET
This Material Safety Data Sheet complies with the U.S. OSHA Hazard Communication Standard 29 CFR 1910.1200

PRODUCT: LEAD (FABRICATIONS/FORMS) CODE: 3001

COMMON NAME OR SYNONYMS: Corroding, Chemical, Acid, Common Desilverized, Tellurium, Calcium (<1% Calcium), & High Purity Grade Lead in the following forms: wire, ingot, pig, pipe, anodes, cast or extruded bar, sheet, brick, wool, caulking, came, tape, coils, fittings, flashings, lining, flanges, sleeving, tubing and miscellaneous extruded lines. Includes trade name products: Attenulead™.

NFPA/HMIS HAZARD CODES:	HEALTH: 1/1	FIRE: 0/0	REACTIVITY: 0/0	SPECIAL: NA

0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

SECTION I

MANUFACTURERS NAME: Mayco Industries LLC
1200 16th Street
Granite City, IL 62040
618.451.4400

PREPARATION DATE: April 2002 *

REVISIONS: This is a revised Material Safety Data Sheet. Revised information appears in the text line(s), as indicated by the asterisk(s) (*) in the right margin.

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS NO.	US-NIOSH RTECS NO.	US OSHA 8-HR AL	US OSHA 8-HR PEL	ACGIH 8-HR TLV	WT. PERCENT
Lead	7439-92-1	OF7525000	0.03 mg/m3	0.05 mg/m3	0.05 mg/m3	99.8+

AL = Action Level PEL = Permissible Exposure Limit TLV = Threshold Limit Value

SECTION III - PHYSICAL DATA

APPEARANCE & ODOR (AT NORMAL CONDITIONS): Solid - silver metallic to gray metallic metal - no odor.
SPECIFIC GRAVITY (H20 = 1) : 11.34
MELTING POINT (DEGREES C) : 328
BOILING POINT (DEGREES C) : 1744
SOLUBILITY IN WATER : Insoluble

*** SECTION IV - FIRE & EXPLOSION HAZARD DATA***

FLASH POINT : Non-Flammable
FLAMMABLE LIMITS : Not Applicable
EXTINGUISHING MEDIA : No specific agents recommended
SPECIAL FIRE FIGHTING PROCEDURES: If involved in fire, use full protective clothing and NIOSH/MSHA approved self-contained breathing apparatus operated in a positive-pressure mode.
UNUSUAL FIRE & EXPLOSION HAZARDS: None

SECTION V - REACTIVITY DATA

STABILITY : Stable
CONDITIONS TO AVOID : Not Applicable
INCOMPATIBILITY : Strong Oxidizers, Hydrogen Peroxide, Active Metals - Sodium, Potassium. Powdered 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.

SECTION VI - HEALTH HAZARD DATA

NOTE: EXPOSURE TO THE SOLID FORM OF THIS PRODUCT PRESENTS FEW HEALTH HAZARDS IN ITSELF. HOWEVER, NORMAL HANDLING OR PROCESSING OF THIS MATERIAL MAY RESULT IN EXPOSURE TO PRODUCT COMPOUNDS AND/OR DECOMPOSITION PRODUCTS, WHICH MAY PRESENT A POTENTIAL HEALTH HAZARD.

ROUTES OF ENTRY : Inhalation of dust/fume & ingestion of dust.

SYMPTOMS & EFFECT OF OVEREXPOSURE: Chronic (prolonged) overexposure to lead can result in systemic lead poisoning with symptoms of metallic taste, anemia, insomnia, weakness, constipation, abdominal pain, gastrointestinal disorders, joint and muscle pains, and muscular weakness, and may cause damage to the blood-forming, nervous, kidney, & reproductive systems. Damage may include reduced fertility in both men and women, damage to the fetus of exposed pregnant women, anemia, muscular weakness & kidney dysfunction.

Acute (severe short-term) overexposure to lead may lead to central nervous system disorders, characterized by drowsiness, seizures, coma & death. It should be recognized that exposures of this magnitude in an industrial environment are extremely unlikely.

MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE : Diseases of the blood and blood-forming organs, kidneys, nervous and possibly reproductive systems.

CARCINOGENICITY : Not listed as a carcinogen by NTP, OSHA, ACGIH; IARC classifies "lead and its compounds" as a Group 2B carcinogen (possibly carcinogenic to humans).

ADDITIONAL INFORMATION : In industrial/commercial processing operations, pre-employment medical evaluations are recommended for large users of this product (required at contaminant exposure levels exceeding the Lead AL - See U.S. OSHA Lead Standard, 29 CFR 1910.1025). Attention should be directed to skin, eyes, respiratory tract, blood, kidneys, pulmonary function and neurological health.

Periodic medical examinations should be repeated on an annual basis for those employees exposed to potentially hazardous levels of this product. Please consult the U.S. OSHA Lead Standard (29 CFR 1910.1025) for specific guidance; periodic medical examinations are required under certain circumstances.

U.S. OSHA Biological Limit for Blood Lead Level is a 3 sample/6 month average of 50 mcg per 100g (or higher) of whole blood and/or two (2) consecutive samples of 60 mcg per 100g (or higher). See U.S. OSHA Standard 29 CFR 1910.1025 for further information.

Lead and its compounds has tentatively been classed by the USEPA Carcinogen Assessment Group as a Group B2 Carcinogen (Probable human carcinogen - a combination of sufficient evidence in animals and inadequate data for humans). IARC lists lead and its compounds as a teratogen.

EMERGENCY & FIRST AID PROCEDURES:

SKIN : Normal hygiene and first aid procedures - wash with soap and water.

EYES : Flush well with running water to remove particulate. If irritation persists get medical attention.

ACUTE INHALATION: Remove from exposure. Obtain immediate medical attention. If breathing has stopped, initiate artificial resuscitation.

INGESTION : Give water; induce vomiting only in a conscious non-convulsing individual; obtain immediate medical attention.

CALIFORNIA NOTIFICATION:

WARNING : This product contains a chemical known to the State of California to cause cancer and birth defects (or other reproductive harm).

NOTICE : This informational warning must be transferred with the product, to all downstream users of this product.

SECTION VII - PROTECTION MEASURES

RESPIRATORY PROTECTION : Respiratory protection is required where airborne exposures exceed U.S. OSHA/ACGIH permissible air concentrations. Respirator selection shall be made in accordance with the U.S. Respiratory Protection Standard 29 CFR 1910.134.

VENTILATION : Good general dilution ventilation, or ventilation, as described in "Industrial Ventilation, A Manual of Recommended Practice", by the American Conference of Governmental Industrial Hygienists, is recommended in order to maintain exposure levels below the permissible exposure limits (PEL's) or threshold limit values (TLV's) specified by U.S. OSHA or other local or state regulations.

PROTECTIVE GLOVES : Recommended for prolonged contact/heat. Required above the Lead PEL.

EYE PROTECTION : Safety glasses or goggles are recommended where the possibility exists of getting dust particles in the eyes. Safety glasses or goggles with faceshield are recommended around molten metal.

OTHER PROTECTIVE EQUIPMENT : Full protective clothing and shoes are required for employee exposure above the Lead PEL. Other safety equipment should be worn as appropriate for the work environment. Keep work clothing separate from street clothes.

WORK/HYGIENIC PRACTICES : Do not permit eating, drinking, or the use of cosmetics or tobacco products while handling or processing material or in product work areas. Practice good personal hygiene procedures. Wash hands and face thoroughly before eating, drinking, applying cosmetics or using tobacco products. Full protective clothing is to be worn by workers exposed to concentrations of lead dust/fume above the PEL, and showering is required before changing into street clothes. Keep work clothing separate from street clothes. Work clothes and equipment should remain in designated lead contaminated areas and never taken home or laundered with personal clothing. Avoid inhalation and ingestion of product, and activities which generate dust or fume. Keep melting/soldering temperatures as low as possible to minimize the generation of fume.

SECTION XII - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME	: Non-regulated material
TECHNICAL NAME	: NA
HAZARD CLASS	: NA
UN NO.	: NA
PACKING GROUP	: NA
EMERGENCY RESPONSE GUIDE NUMBER	: NA
OTHER	: NA

SECTION XIII - ADDITIONAL INFORMATION

UNITED STATES - CLEAN WATER ACT: The use of lead pipes or sheet lead in any private or public potable water supply system is prohibited by the Clean Water Act.

UNITED STATES - STATE HAZARDOUS SUBSTANCE LISTS: Lead appears on the state hazardous substance lists of MA and NJ.

CANADA - HPA WHMIS LIST: Lead appears on the Canadian HPA WHMIS Chemical List.