



MATERIAL SAFETY DATA SHEET

For Welding Consumables and Related Products
Conforms to OSHA Hazard Communication Standard
29CFR 1910.1200
Standard Must Be Consulted for Specific Requirements

U.S. ALLOY CO.
dba Washington Alloy
7010-G Reames Rd.
Charlotte, NC 28216
www.weldingwire.com

MSDS NO: Lead solder
REVISED 3-2008



SECTION I -- IDENTIFICATION

Manufacturer/Supplier: Washington Alloy Company
Address: 7010 -G Reames Road , Charlotte, NC 28216

Telephone No: 704-598-1325
Emergency No: 704-598-1325

Trade Name:	TIN%	LEAD %
35/65	34.5-36.5	BALANCE
40/60	39.5-41.5	BALANCE
50/50	49.5-51.5	BALANCE
60-40	59.5-61.5	BALANCE

SECTION II - COMPOSITION INFORMATION

Components	CAS Number	OSHA PEL
Tin	7440-31-5	2.0 mg/ 3m
Lead	7439-92-1	0.05 mg/ 3m

Unlisted percentages are non-hazardous stabilizers, activators, and water. None of the materials in this product are listed in NTP, IARC, or OSHA as Carcinogens. NIOSH classifies brazing fumes as a possible carcinogen. Threshold limit Value for brazing is 5 mg/m³

SECTION III - HEALTH HAZARDS

EMERGENCY AND FIRST AID PROCEDURES

- Inhalation:** Remove to Fresh Air or Administer Oxygen. Call Physician.
Eyes: Flush with Water for 15 Minutes. Call Physician.
Skin: Wash Thoroughly with Water.
Ingestion: If Patient is Fully Conscious, Rinse Mouth.
Obtain Medical Attention Immediately.

Primary Routes of Entry into Body: Fume Inhalation, Ingestion, Skin, and Eyes.

Symptoms of Overexposure: Irritation or dryness of the nose and throat, Salivation, Coughing, Choking, Chills, headache, thirstiness and tiredness. Molten alloy may burn on contact.

Medical Conditions Generally Aggravated by Exposure: Respiratory, Skin disorders

Chemical Listed as Carcinogen or Potential Carcinogen: Lead is listed on Proposition 65 and is confirmed a animal carcinogen and probable Human carcinogen

OSHA Permissible Exposure Limit (PEL): 0.05 mg/m³ (Lead)

ACGIH Threshold Limit Value (TLV): 0.05 mg/m³(Lead)

H.M.I.S. Information: HEALTH = 1 FLAMMABILITY = 0 REACTIVITY = 0

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: (Method Used): None **Flammable Limits:** Lower-NA, Upper-NA
Extinguishing Media: All –Water for cooling only **Auto Ignition Temperature:** None
Special Fire Fighting Procedures: NIOSHA approved self contained breathing apparatus
Unusual Fire and Explosion Hazards: May produce a variety of metal oxides and fumes when melted
Metal products are not a fire hazard however dust of these items may form explosive mixture with air

SECTION V - ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Spilled: Solid wire

SECTION VI - STABILITY AND REACTIVITY

Stability: Product is Stable **Conditions to Avoid:** Excess Heat
Incompatibility: Strong acids, oxidizers or bases like sodium hydroxide
Hazardous Decomposition Products: Metal oxides and fumes when melted.
Hazardous Polymerization: Will Not Occur

SECTION VII - CONTROL MEASURES

Ventilation: Yes **Local Exhaust:** Yes
Protective Gloves: Recommend, NIOSH Approved **Eye Protection:** Safety Glasses
Mechanical (General): Yes
Respiratory Protection (Type): NIOSH Approved Respirator.
Other Protective Clothing or Equipment: Leather Apron as needed. Do not eat or drink while using these products

SECTION VIII - HANDLING AND STORAGE

Precautions to be Taken in Handling and Storage: Store in Cool dry Area.
Wash hands and clothing thoroughly after use.
Work/Hygienic Practices: Avoid Contact with Skin, Eyes and Clothing. Avoid inhalation or ingestion
Other Precautions: Keep Container Away From Excessive Heat with proper labels.
Good Housekeeping : Wash thoroughly before smoking or eating – Tobacco products food or drinks should not be consumed or stored near or in areas where exposures exist.

SECTION IX - PHYSICAL AND CHEMICAL CHARACTERISTICS(Lead)

Boiling Point: 1740° F (Lead)	Specific Gravity: .2661
Vapor Pressure (mm Hg): NA	
Vapor Density (Air = 1): NA	Evaporation Rate (Butyl Acetate = 1): NA
Melting Point: 350-550° F	Solubility in Water: Insoluble
Reactivity in Water: None	Appearance and Odor: Silver gray, odorless

SECTION X - TRANSPORTATION AND DISPOSAL CONSIDERATIONS

D.O.T. Proper Shipping Name: Non-Hazardous	Hazard Class: NA
Identification Number: NA	Packing Group: NA
Type D.O.T Label Required Information: NA	
Waste Disposal Method: Dispose in Accordance with EPA Regulations.	

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