



WA. ALLOY CO.

Quality Management System
in accordance with
ISO 9001:2000
Cert # 05-R0925

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

MSDS NO: Lead free solder
REVISED 3-2006

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



American Welding Society
Sustaining Company Member

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: Superflow USA 96.5/3.5 Classification: ASTM B32 96.5TS

Superflow USA 96/4

Superflow USA 94/6

Superflow USA 95/5

Family: Soft solder alloy

Classification: ASTM B32 95TA, SB5

SECTION II - COMPOSITION INFORMATION

Components	CAS Number	%	OSHA PEL
Tin	7440-31-5	Balance	2.0 mg/ 3m
Silver ⁽¹⁾	7440-22-4	3.0-7.0	0.01 mg/ 3m
Antimony ⁽²⁾	7440-36-0	4.5-5.5	0.5 mg/ 3m

⁽¹⁾ 96.5/3.5, 96/4, 94/6 no Antimony ⁽²⁾ 95/5 no silver

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: None

OSHA Permissible Exposure Limit (PEL): 0.01 mg/m³ (Silver)

ACGIH Threshold Limit Value (TLV): 0.01 mg/m³ (Silver)

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

EAST COAST
7010-G Reames Rd
Charlotte, NC 28216
Tel (888) 522-8296
Fax (704)598-6673

WEST COAST
8535 Utica Ave
Rancho Cucamonga, CA 91730
Tel(800)830-9033
Fax (909)291-4586



Page 1 *DC* 3-2003

Washington Alloy Company believes that all information and data given is correct. Use this information to assist in making your own evaluations or decisions and this information should not be mistaken as an expressed or implied warranty. U.S. ALLOY CO. assumes no liability for results or damages incurred from the use of any information contained herein, in whole or in part.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None **Flammable Limits:** Lower-NA, Upper-NA
Extinguishing Media: All **Auto Ignition Temperature:** None
Special Fire Fighting Procedures: Normal Caution When Using metals
Unusual Fire and Explosion Hazards: May produce a variety of metal oxides and fumes when melted

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 Goggles
Mechanical (General): Yes
Respiratory Protection (Type): NIOSH Approved Respirator.
Other Protective Clothing or Equipment: Leather Apron as needed

SECTION VIII - HANDLING AND STORAGE

Precautions to be Taken in Handling and Storage: Store in Cool 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.

SECTION IX - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: About 2500° F **Specific Gravity (Water = 1):** 6.72
Vapor Pressure (mm Hg): NA
Vapor Density (Air = 1): NA **Evaporation Rate (Butyl Acetate = 1):** NA
Melting Point: 430° 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.

Page 2 *dc* 3-2003

Washington Alloy Company believes that all information and data given is correct. Use this information to assist in making your own evaluations or decisions and this information should not be mistaken as an expressed or implied warranty. U.S. ALLOY CO. assumes no liability for results or damages incurred from the use of any information contained herein, in whole or in part.