



ISO 9001:2000

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: SBPW & SBPB
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 White Brazing Paste Flux Classification: AWS A 5.31 Type FB3A , AMS 3410
Superflow Black Brazing Paste Flux Classification: AWS A 5.31 Type FB3C , AMS 3411

Family: Silver Brazing Paste Flux

SECTION II - COMPOSITION INFORMATION

Components	CAS Number	%	OSHA PEL
Potassium Fluorohydroborate	12228-71-6	20-45	2.5 mg/ 3m
Potassium Tetraborate	1332-77-0	15-25	5.0 mg/ 3m
Boric Acid	10043-35-3	15-45	10 mg/ 3m
Potassium Fluoroborate	14075-53-7	7-15	2.5 mg/m3

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.

SECTION III - HEALTH HAZARDS

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Remove to Fresh Air
Eyes: Flush with Water for 10 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: Salivation, Coughing, Choking, Chills, May Cause Weight Loss, Brittle Bones, Anemia, and Stiff Joints.

Medical Conditions Generally Aggravated by Exposure: Any Weakness of the Lungs, Kidneys or Liver will be Aggravated..

Chemical Listed as Carcinogen or Potential Carcinogen: None

OSHA Permissible Exposure Limit (PEL): 2.5 mg/m₃

ACGIH Threshold Limit Value (TLV): 2.5 mg/m₃

H.M.I.S. Information: HEALTH = 2 FLAMMABILITY = 0 REACTIVITY = 0

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Charlotte, NC 28216
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WEST COAST
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Flash Point: (Method Used): None **Flammable Limits:** Lower-NA, Upper-NA
Extinguishing Media: Not Needed **Auto Ignition Temperature:** None
Special Fire Fighting Procedures: Normal Caution When Using Chemicals
Unusual Fire and Explosion Hazards: Fluorides

SECTION V - ACCIDENTAL RELEASE MEASURES

Steps to be Taken in Case Material is Spilled: Clean up Paste and Flush Remaining Material with Lots of Water.

SECTION VI - STABILITY AND REACTIVITY

Stability: Product is Stable **(Conditions to Avoid):** Excess Heat
Incompatibility: Glass or Porcelain
Hazardous Decomposition Products: Fluorides with High Heat.
Hazardous Polymerization: Will Not Occur **(Conditions to Avoid):** NA

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: Rubber Apron

SECTION VIII - HANDLING AND STORAGE

Precautions to be Taken in Handling and Storage: Store in Plastic Containers in Cool Area.
Do Not Store in Glass or Porcelain Container. Wash Thoroughly After Use.
Work/Hygienic Practices: Avoid Contact with Skin, Eyes and Clothing.
Other Precautions: Keep Container Away From Excessive Heat.

SECTION IX - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: NA	Specific Gravity (Water = 1): 1.6
Vapor Pressure (mm Hg): NA	Percent Volatile by Volume: 30%
Vapor Density (Air = 1): NA	Evaporation Rate (Butyl Acetate = 1): 0.3
Melting Point: 500°C	Solubility in Water: Moderate
Reactivity in Water: None	Appearance and Odor: Odorless Paste White or Black

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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