



The Finest Quality Welding Filler Metals • 866-936-3354 • weldtool.com

Material Safety Data Sheet

White & Black Brazing Flux

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

Section 1: IDENTIFICATION

Supplier's Name

Weldtool Technologies Inc.

Address

2440 N Glassell Unit X
Orange, Ca 92865

Telephone Number

1-866-936-3354

Trade Name

WT White Brazing Paste Flux Classification: AWS A 5.31 Type FB3A, AMS 3410

WT Black Brazing Paste Flux Classification: AWS A 5.31 Type FB3C, AMS 3411

Family: Silver Brazing Paste Flux.

Section 2: COMPOSITION INFORMATION

<u>Components</u>	<u>CAS Number</u>	<u>% OSHA</u>	<u>Specific Concentration limit</u>
Potassium bifluoride	7789-29-9	20-40	(0.1 ≤ C <1)
Potassium Carbonate	584-08-7	1-10	N/A
Boric Acid	10043-35-3	40-60	C ≥ 5.5
Boron	7440-42-8	1-10	N/A

None of the materials in this product is listed in NTP, IARC, or OSHA as carcinogens.



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Section 3: 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

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 4: ACCIDENTAL RELEASE MEASURES

Avoid release to the environment. Wear suitable protective clothing, gloves, eye/face protection. Only qualified personnel with suitable protective equipment may intervene in an emergency. Ventilate spillage area. Take up liquid spill into absorbent material, place in appropriate containers. Must be disposed as hazardous waste. Do not breathe fumes & vapors. Avoid contact with skin and eyes. Steps to be taken in Case Material is spilled: Clean up Paste and Flush Remaining Material with Lots of Water.

Section 5: STABILITY AND REACTIVITY

Product is stable under normal conditions of use, storage and transport.

No dangerous reactions known under normal conditions of use.

Incompatible materials: Strong oxidizing agents, strong bases & acids, Aluminum, Tin, Zinc, chlorinated hydrocarbons, Acetone. Avoid contact with strong reducing agents such as metal hydrides, acetic anhydride or alkali metals.



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Section 6: 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 7: HANDLING AND STORAGE

Precautions to be taken in Handling and Storage: Store in Plastic Containers in Cool Area. Ensure Good ventilation, Keep only in original container.

Wash Thoroughly After Use.

Work/Hygienic Practices: Avoid Contact with Skin, Eyes and Clothing. Do not eat, drink or smoke when using product.

Other Precautions: Keep Container Away From Excessive Heat.

Section 8: PHYSICAL AND CHEMICAL CHARACTERISTICS

Physical state: Solid

Appearance: Paste.

Color: white. Black.

Odor: odorless.

Odor threshold: N/A

pH: N/A

Relative evaporation rate (butylacetate=1): N/A

Melting point: 500 °C

Freezing point: N/A

Boiling point: N/A

Flash point: N/A

Auto-ignition temperature: Not applicable

Decomposition temperature: No data available

Flammability (solid, gas): Non flammable

Vapor pressure: No data available



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Relative vapor density at 20 °C: No data available

Relative density: ≈ 1.6 Not applicable

Solubility: No data available

Log Pow: No data available

Viscosity, kinematic: Not applicable

Viscosity, dynamic: No data available

Explosive properties: Product is not explosive.

Oxidizing properties: Oxidizing solids Not applicable.

Section 7: TRANSPORTATION AND DISPOSAL CONSIDERATIONS

UN-No. (ADR, IMDG, IATA, ADN, RID): 1759

Proper Shipping Name (ADR, IMDG, IATA, ADN, RID): CORROSIVE SOLID, N.O.S. (potassium bifluoride, potassium hydrogen difluoride(7789-29-9))

Transport document description (ADR): UN 1759 CORROSIVE SOLID, N.O.S. (potassium bifluoride, potassium hydrogen difluoride(7789-29-9)), 8, II, (E)

Transport document description (IMDG, IATA, ADN, RID): UN 1759 CORROSIVE SOLID, N.O.S. (potassium bifluoride, potassium hydrogen difluoride(7789-29-9)), 8, II

Transport hazard class (ADR, IMDG, IATA, ADN, RID): 8

Danger labels (ADR, IMDG, IATA, ADN, RID): 8