

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION I – IDENTIFICATION

Manufacturer/Supplier: Weldcote Metals	Telephone No: 704-739-4115
Address: 842 Oak Grove Road, Kings Mountain, NC 28086	Emergency No: 704-739-4115
Trade Name: Weldcote Black Paste Flux Chemical Family: Silver Brazing Paste Flux	Classification: AWS A5.31

To the purchaser: This MSDS contains important environmental, health, and toxicology information for your employees who have ordered this product. Please be sure this information is given to them. If you resell this product, a copy of the MSDS should be given to the buyer.

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

SECTION II – COMPOSITION INFORMATION

Ingredients	CAS No.	%	OSHA PEL
Potassium Fluoroborate	12228-71-6	20-40	2.5 PPM
Potassium Tetraborate	1332-77-0	15-25	5.0 PPM
Boric Acid	10043-35-3	30-45	10 PPM
Potassium Fluoroborate	14075-53-7	7-15	2.5 PPM

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, give 2 glasses of water and induce vomiting. Obtain medical attention immediately.

Primary Routes of Entry: 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 Overexposure: Any weakness of the lungs, kidneys, or liver will be aggravated.

Chemical Listed as a Carcinogen or Potential Carcinogen: None

OSHA Permissible Exposure Limit (PEL): 2.5 PPM

ACGIH Threshold Limit Value (TLV): 2.5 PPM

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point: None

Extinguishing Media: Not needed

Special Fire Fighting Procedures: Normal caution when using chemicals

Unusual Fire and Explosion Hazards: Fluorides

Flammable Limits: Lower-NA Upper-NA

Auto Ignition Temperature: None

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): Excessive 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: Recommended, 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 taking 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: Black, Odorless Paste

SECTION X – TRANSPORTATION AND DISPOSAL

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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