

Section I – Identification

Manufacturer/Supplier: Weldtool Technologies Inc.

Telephone No: (714) 646-7527

Address: 3911 E. La Palma Ave, Anaheim, CA 92807

Emergency No: (714) 646-7527

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/m ³
Potassium Tetraborate	1332-77-0	15-25	5.0 mg/m ³
Boric Acid	10043-35-3	15-45	10 mg/m ³
Potassium Fluoroborate	14075-53-7	7-15	2.5 mg/m ³

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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Weldtool Technologies Inc. believes that all information and data given is correct. Use this information to assist in making

Section IV – Fire and Explosion Hazard Data

your own evaluations and decisions and should not be mistaken as an expressed or implied warranty. Weldtool Technologies Inc. assumes no liability for results or damages incurred from the use of any information contained herein, in whole or in part.

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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