

03/03/2023



SDS 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

MSDS REVISED

SECTION I -- IDENTIFICATION Manufacturer/Supplier: Weldtool Technologies Inc. 2440 N Glassell Unit X
Ornage, Ca 92865 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. Emergency Contact Weldtool 866-936-3354

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

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. Page 2/2 DC 3-
2003

· Label elements · GHS label elements The product is classified and labeled according to the Globally
Harmonized System (GHS). · Hazard pictograms: GHS07 GHS08 · Signal word: Warning · Hazard-
determining components of labeling: potassium difluorodihydroxyborate(1-) potassium fluoride · Hazard
statements: H302 Harmful if swallowed. H312 Harmful in contact with skin. H332 Harmful if inhaled.
H361 Suspected of damaging fertility or the unborn child. Route of exposure: Oral. · Precautionary
statements: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions
have been read and understood. P261 Avoid breathing dust. P264 Wash thoroughly after handling. P280
Wear protective gloves/protective clothing/eye protection. P270 Do not eat, drink or smoke when using
this product. P271 Use only outdoors or in a well-ventilated area. P302+P352 IF ON SKIN: Wash with
plenty of soap and water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for
breathing. P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. P330 Rinse
mouth. P308+P313 IF exposed or concerned: Get medical advice/attention. P362+P364 Take off
contaminated clothing and wash it before reuse. P405 Store locked up. P501 Dispose of
contents/container in accordance with local/regional/national/international regulations. · Additional
information: · Other hazards which do not result in GHS classification: Heat rays (infrared radiation) from
flame or hot metal can injure eyes. Overexposure to brazing fumes and gases can be hazardous. Read
and understand the manufacturer's instructions, Safety Data Sheet and the precautionary labels before
using this product.

Weldtool Technologies Inc.

2440 N Glassell Unit X.

Orange, CA 92865 USA