

## 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 White Anti Borax Flux Chemical Family: High Temperature Brazing Powder 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 = 1      FLAMMABILITY = 0      REACTIVITY = 0**

### SECTION II – COMPOSITION INFORMATION

Ingredients	CAS No.	%	OSHA PEL
Boric Acid	10043-35-3	70-90	10 PPM
Borax	1303-96-4	10.30	10 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

**Eyes:** Flush with water for 10 minutes. Call a Physician.  
**Skin:** Wash thoroughly with water.  
**Inhalation:** Remove to fresh air or administer oxygen. Call Physician.  
**Ingestion:** If patient is fully conscious, give large amounts water. Obtain medical attention immediately.

**Primary Routes of Entry:** Fume Inhalation, ingestion, skin and eyes.

**Symptoms of Overexposure:** Nausea, vomiting, abdominal pain, mucous membrane irritation, reddening of skin and rash.

**Medical Conditions Generally Aggravated by Overexposure:** Any weakness of the Central Nervous System

**Chemical Listed as a Carcinogen or Potential Carcinogen:** None

**OSHA Permissible Exposure Limit (PEL):** 10 PPM

**ACGIH Threshold Limit Value (TLV):** 10 PPM

### SECTION IV – FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** None

**Extinguishing Media:** Not needed

**Special Fire Fighting Procedures:** Normal caution when dealing with chemicals

**Unusual Fire and Explosion Hazards:** Boric Oxide Fumes

**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 powder and flush remaining material with lots of water.

## SECTION VI – HANDLING AND STORAGE

**Storage Requirements:** Store in plastic containers in cool area. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

**Handling Precautions:** Keep containers away from excessive heat.

## SECTION VII – CONTROL MEASURES

**Respiratory Protection (TYPE):** NIOSH approved respirator.

**Mechanical (General):** Yes

**Protective Gloves:** Recommended, NIOSH approved

**Other Protective Clothing or Equipment:** Rubber Apron

**Ventilation:** Yes

**Local Exhaust:** Yes

**Eye Protection:** Safety Glasses

## SECTION VIII – PHYSICAL AND CHEMICAL CHARACTERISTICS

**Boiling Point:** NA

**Vapor Pressure (mm Hg):** NA

**Vapor Density (Air = 1):** NA

**Melting Point:** 400°C/750°F

**Reactivity in Water:** None

**Specific Gravity (Water = 1):** NA

**Percent Volatile by Volume:** 0%

**Evaporation Rate (Butyl Acetate = 1):** NA

**Solubility in Water:** Moderate (Hot Water)

**Appearance and Odor:** White, Odorless Powder

## SECTION IX – STABILITY AND REACTIVITY

**Stability:** Product is stable

**Incompatibility:** None

**Hazardous Decomposition Products:** Boric Oxide fumes.

**Hazardous Polymerization:** will not occur

**(Conditions to Avoid):** Excessive Heat

**(Conditions to Avoid):** Excessive Heat

## SECTION X – TRANSPORTATION AND DISPOSAL

**D.O.T. Proper Shipping Name:** Non-Hazardous

**Identification Number:** NA

**Type D.O.T. Label Required Information:** NA

**Waste Disposal Method:** Dispose of in accordance with EPA Regulations.

**Hazard Class:** NA

**Packing Group:** NA

**Disclaimer:** Judgments as to the suitability of information herein or the purchaser's purposes are necessarily the purchaser's responsibility. Reasonable care has been taken in the preparation of this material. But there are NO WARRANTIES, NO REPRESENTATIONS, and AND NO RESPONSIBILITY AS TO THE ACCURACY OR THE SUITABILITY OF THIS INFORMATION FOR ANY PURCHASER'S USE OR FOR ANY CONSEQUENCE TO USE.

The opinions expressed in this MSDS are those of qualified experts within **Weldcote Metals**. We believe that the information contained herein is current as of the date of this MSDS. **Since the use of this information and these opinions and the conditions of use of these products are not within the control of Weldcote Metals.** It is the user's obligation to determine the conditions of safe use of these products.

**Weldcote Metals believes this data to be accurate and to reflect qualified expert opinion regarding current research. However, Weldcote Metals can not make any expressed or implied warranty as to this information.**