



MATERIAL SAFETY DATA SHEET ANTI-BORAX CHERRY HEAT

DATE REVISED: February 23, 2004



Product Name: Anti-Borax Cherry Heat

Manufacturer: Superior Flux & Mfg. Co. 6615 Parkland Blvd. Cleveland, OH 44139

Emergency Phone Number: 1-800-424-9300 (CHEMTREC)

Other Information Calls: (440) 349-3000

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 = 1

SECTION I - IDENTIFICATION

Common Name: Anti-Borax Cherry Heat

Chemical Family: Welding Powder Flux

CAS Number: NA

Chemical Name: NA

Formula: See Below

SECTION II - COMPOSITION INFORMATION

| <u>Components</u> | <u>CAS Number</u> | <u>%</u> | <u>OSHA PEL</u> |
|-------------------|-------------------|----------|-----------------|
| Boric Acid | 10043-35-3 | 8-13 | 10 PPM |
| Slag | FEO-FE203-FE304 | 45-55 | 10 PPM |
| Steel Chips | 1309-37-1 | 35-45 | 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 Two Glasses of Water. Obtain Medical Attention Immediately.

Primary Routes of Entry: Inhalation, Ingestion, Skin, and Eyes.

Symptoms of Overexposure: Nausea, Vomiting, Abdominal Pain, Mucous Membrane Irritation and Diarrhea. Skin Reddening and Rash. Affects the Central Nervous System.

Medical Conditions Generally Aggravated by Overexposure: Any Weakness of the Kidneys, Liver, or Nervous System Will Be Aggravated.

Chemical Listed as a Carcinogen or Potential Carcinogen: None

OSHA Permissible Exposure Limit (PEL): 10 PPM

ACGIH Threshold Limit Value (TLV): 10 PPM

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: None

Flammable Limits: Lower-NA, Upper-NA

Extinguishing Media: Not Needed

Auto Ignition Temperature: None

Special Fire Fighting Procedures: Normal Conditions When Dealing With Chemicals

Unusual Fire and Explosion Hazards: 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: Avoid Contact With Eyes, Skin, and Clothing. Wash Thoroughly After Handling.

Handling Precautions: Keep Containers Away From Excessive Heat

Other Precautions: Keep Away From Electrical Sparks, Heat, Open Flame or Oxidizing Agents.

SECTION VII - CONTROL MEASURES

Respiratory Protection (TYPE): NIOSH Approved Respirator.

Ventilation: Yes

Mechanical (General): Yes

Local Exhaust: Yes

Eye Protection: Safety Glasses

Protective Gloves: Recommended, NIOSH Approved

Other Protective Clothing or Equipment: Rubber Apron is Recommended

SECTION VIII - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: NA

Specific Gravity (Water = 1): NA

Vapor Pressure (mm Hg): NA

Percent Volatile by Volume: 0%

Vapor Density (Air = 1): NA

Melting Point: 982°C-1400°C/1800°F-2552°F

Solubility in Water: Mostly Insoluble

Reactivity in Water: None

Appearance: Tan with Gray Chips

SECTION IX - STABILITY AND REACTIVITY

Stability: Product is Stable

(Conditions to Avoid): Excess Heat

Incompatibility: None

Hazardous Decomposition Products: Boron Trioxide

Hazardous Polymerization: Will Not Occur

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 of in Accordance with State and Local EPA Regulations

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