



MATERIAL SAFETY DATA SHEET ANTI-BORAX CRESCENT FORGE

DATE REVISED: February 23, 2004



Product Name: Anti-Borax Crescent Forge
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 = 0

SECTION I - IDENTIFICATION

Common Name: Anti-Borax Crescent Forge **Chemical Name:** NA
Chemical Family: Forge Borax Compound Flux **CAS Number:** NA
Formula: See Below

SECTION II - COMPOSITION INFORMATION

<u>Components</u>	<u>CAS Number</u>	<u>%</u>	<u>OSHA PEL</u>
Slag	FEO-FE203-FE304	65-80	10 PPM
Boric Acid	10043-35-3	13-20	10 PPM
Silica	14808-60-7	8-12	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 and Diarrhea. Skin Reddening and Rash. Can affect Central Nervous System.
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): 10 PPM
ACGIH Threshold Limit Value (TLV): 10 PPM

Superior manufactures quality fluxes. Our business is solving problems.



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 Caution 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: Store in Plastic Containers in Cool Area. Avoid Contact with Eyes, Skin, and Clothing. Wash Thoroughly After Handling.

Handling Precautions: Keep Containers Away for Excessive Heat.

SECTION VII - CONTROL MEASURES

Respiratory Protection (TYPE): NIOSH Approved Respirator.

Ventilation: Yes

Mechanical (General): Yes

Local Exhaust: Yes

Protective Gloves: Recommended, NIOSH Approved

Eye Protection: Safety Glasses

Other Protective Clothing or Equipment: Rubber Apron and Gloves

SECTION VIII - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: NA

Specific Gravity (Water = 1): NA

Vapor Pressure (mm Hg): NA

Percent Volatile by Volume: 1.0%

Vapor Density (Air = 1): NA

Evaporation Rate (Butyl Acetate = 1): NA

Melting Point: 750°C/ 1382°F

Solubility in Water: Moderate

Reactivity in Water: None

Appearance and Odor: Tan Granular w/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

(Conditions to Avoid): None

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 of in Accordance with Local and State EPA Regulations.

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Superior manufactures quality fluxes. Our business is solving problems.



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