

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Product Name: AMCO 1970 CAS number: N/A - mixture
Chemical Name & Synonyms: N/A - mixture
Appearance: Red powder with no characteristic odor
Use: Torch brazing flux for cast iron
Manufacturer: Force Industries Division Tel. 610-647-3575
EMERGENCY PHONE No. CALL CHEMTREC (800) 424-9300 * Available 24 Hours

II. CHEMICAL COMPOSITION

Material	SARA III	CAS Number	OSHA PEL	ACGIH TLV
Boric Acid	<60%	10043-35-3	15 mg/m ³	10 mg/m ³
Borax	<40%	1330-43-4	10 mg/m ³	1 mg/m ³
Iron oxide	<3%	1309-37-1	-----	5 mg/m ³

This mixture includes a compound that contains boron oxide B₂O₃. When used as intended fumes of B₂O₃ may be given off which are hazardous.

Others, if any, are non-hazardous and are claimed as trade secret.

Hazard Rating: HMIS: (H = 0 F = 0 R = 0 PE = C) NFPA: (H = 0 F = 0 R = 0)

III. POTENTIAL HEALTH EFFECTS AND HEALTH HAZARD DATA

Target organ statement: **Caution:** May be harmful if swallowed; irritating to skin and eyes.
Effects of Chronic Exposure: Coughing, erythema, and nausea.
Effects of Acute Overexposure
Swallowing: Nausea, vomiting, and diarrhea
Skin Absorption: Boron is not absorbed through skin.
Inhalation: Irritation to respiratory system. Coughing and sneezing. Existing lung disorders will be aggravated.
Skin Contact: Mild dermatitis or irritation. Existing disorders will be aggravated.
Eye Contact: Mild Irritation to eyes surfaces. Existing eye disorders may be aggravated

IV. EMERGENCY AND FIRST AID PROCEDURES

Swallowing: Contains boric acid. Call a physician, or your Poison Control Center.
Skin: Wash hands with soap and water to remove all residue. If rash develops, consult a physician.
Inhalation: Remove to fresh air. If fumes, vapors or dust are inhaled, call a physician.
Eyes: Flush with water for at least 15 minutes to remove all residue. Promptly get medical help.

V. FIRE AND EXPLOSION DATA

Flash point (°F): N/A
Flammable limits in air: LOWER: N/A UPPER: N/A (% by volume)
Extinguishing media: Does not support combustion. Product is an inherent retardant.
Special fire fighting method: Fumes of boron oxide may be given off.
Unusual fire and explosion hazards: None.

VI. REACTIVITY INFORMATION

Stability consideration/Conditions to avoid Stable/None
Hazardous polymerization/Conditions to avoid Will not occur/None
Incompatibility, Materials to avoid: Acetic anhydride, elemental potassium
Hazardous combustion or decomposition products: Boron oxides fumes

VII. SPILL AND LEAK RESPONSE

Steps to be taken if material is released or spilled: Contain spill, absorb, sweep-up. Remove to chemical sewer. Flush area to chemical sewer.
Waste disposal method: Dispose of in accordance with all federal, state, and local regulations.

