



WEDRON FLUX

A DIVISION OF BLACK LAB CORPORATION

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MATERIAL SAFETY DATA SHEET

Date Prepared: September 15, 2008

Supersedes: December 1, 2004

*Only in the event of an emergency involving spill, leak, fire, exposure or accident involving chemicals, call
Chemtrec 800-424-9300*

I. PRODUCT IDENTIFICATION

Trade Name as Labeled: WF 3
Manufacturer's Name: Wedron Flux
Chemical Formula: Mixture of Inorganic Salts.

II. HAZARDOUS INGREDIENTS

<u>CAS Number</u>	<u>Chemical Name</u>	<u>ACGIH-TLV</u>	<u>OSHA-PEL</u>
7681-49-4	Sodium Fluoride (Fluorides)	2.5 mg(F)/m ³	2.5 mg(F)/m ³
16893-85-9	Sodium Fluorosilicate (Fluorides)	2.5 mg(F)/m ³	2.5 mg(F)/m ³

III. PHYSICAL PROPERTIES

Vapor Density:	Not known.	Melting Point Range:	1200-1400°F
Specific Gravity:	Approximately 2.78	Boiling Point Range:	Not known
Solubility in Water:	Soluble.	Evaporation Rate:	Not known
Vapor Pressure:	Not known	Appearance and Odor:	White, fine crystalline solid.

IV. FIRE AND EXPLOSION

Flash Point: Not listed by NFPA
Auto ignition Temperature: None.
Flammable Limits in Air: None.
Fire extinguishing materials:
water spray: XX carbon dioxide: foam: XX dry chemical: XX other:
Unusual Fire Fighting Procedures: Self-contained breathing apparatus needed. When heated, material gives off toxic fumes of F⁻, Cl⁻, K₂O, Na₂O
Unusual Fire and Explosion Hazards: Molten material may react explosively with water.

V. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE: (Fluorides are generally highly toxic, whether swallowed, inhaled, or absorbed through the skin.)

Inhalation: Contains Fluorides. Severe irritation of respiratory tract, symptoms may include coughing, sore throat and labored breathing.

Skin Contact: Contact may cause irritation with redness & pain. Solutions are corrosive.

Eye Contact: Causes irritation, redness and pain.

Ingestion: Contains Sodium Fluoride, Toxic! May cause salivation, nausea, vomiting, diarrhea & abdominal pain. Symptoms of weakness, tremors, shallow respiration, cardopedal spasm, convulsions & coma may follow. May cause brain & kidney failure. Affects heart & circulatory system. Death may occur from respiratory paralysis. Estimated lethal dose of pure Sodium Fluoride by ingestion: 5-10 grams. Do not consume food and drink in areas where the materials are being used.

Chronic Health Effects: Contains Fluorides, which may cause embrittlement and densification of bones, Sclerosis, Pulmonary Fibrosis and skin rash.

FIRST AID MEASURES:

Inhalation: Move to fresh air. If experiencing breathing difficulties, give oxygen and call physician immediately.

Skin Contact: Wash well with soap and water. Apply bandages in magnesium sulfate and seek medical attention.

Eye contact: Flush with running water for at least fifteen (15) minutes. Seek medical help.

Ingestion: Seek medical attention immediately. Give the person milk, chewable calcium carbonate tablets or milk of magnesia.

Suspected Cancer Agent? No

VI. REACTIVITY DATA

Stability: Stable XX Unstable _____

Conditions to Avoid: Excess moisture; keep dry.

Incompatibility (materials to avoid): Strong acids or acid mist. Potentially violent reaction or ignition with organic matter, calcium-silicon alloys, magnesium chloride, magnesium, non-metals.

Hazardous Decomposition Products (including combustion products): When exposed to high temperatures Chlorides Cl⁻, Fluorides F⁻, Sodium and Potassium Oxides Na₂O, K₂O are emitted.

Hazardous Polymerization: May Occur ___ Will Not Occur XX

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill Response Procedures (including employee protection measures): Pick up using dustless methods (vacuum). Wear respirator and protective gloves, clothing (plastic/rubberized) to avoid inhalation or skin contact.

Waste Disposal: Follow current applicable local, state and federal regulations.

VIII. SPECIAL HANDLING INFORMATION

Ventilation and Engineering Controls: Local exhaust ventilation.

Respiratory Protection (type): Use NIOSH approved respirator if TLV exceeded.

Eye Protection (type): Use chemical safety goggles where dusting is possible.

Gloves (specify material): PVC if spillage is handled.

Other Clothing and Equipment: Not normally required.

Work Practices, Hygienic Practices: Wash hands prior to eating or after physical contact. Launder contaminated clothing before wearing.

Other Handling and Storage Requirements: Store in a cool, dry place away from high temperatures and acids. Protect from mechanical damage. Do not reuse container. Handle with minimum of dust generation.

Protective Measures During Maintenance of Contaminated Equipment: PVC gloves or other impervious material.

IX. TRANSPORTATION DATA

NOT REGULATED BY DOT