



# WEDRON FLUX

A DIVISION OF BLACK LAB CORPORATION

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## Material Safety Data Sheet

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*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 1  
**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>
7784-18-1	Aluminum Fluoride	(Fluorides)	2.5 mg(F)/m <sup>3</sup>	2.5 mg(F)/m <sup>3</sup>
16893-85-9	Sodium Fluorosilicate	(Fluorides)	2.0 mg(F)/m <sup>3</sup>	2.0 mg(F)/m <sup>3</sup>

### III. Physical Properties

<b>Vapor Density:</b>	Not known.	<b>Melting Point Range:</b>	1200-1400°F
<b>Specific Gravity:</b>	Approximately 2.44	<b>Boiling Point Range:</b>	Not known
<b>Solubility in Water:</b>	Soluble.	<b>Evaporation Rate:</b>	None applicable.
<b>Vapor Pressure:</b>	Not known	<b>Appearance and Odor:</b>	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, K<sub>2</sub>O, Na<sub>2</sub>O  
**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 Fluoride. Strong irritation of respiratory tract with sore throat, coughing, shortness of breath & delayed lung edema.

**Skin Contact:** Contact may cause irritation or rash, particularly with moist skin.

**Eye Contact:** Causes irritation, redness and pain.

**Ingestion:** May cause gastrointestinal irritation with nausea, diarrhea and vomiting. Exposure to Fluoride compounds can result in systemic toxic effects on the heart, liver & kidneys.

**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 breathing difficulties, give oxygen and call physician.

**Skin contact:** Wash well with soap and water. Seek medical attention.

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical aid.

**Ingestion:** Seek medical attention immediately. Give the person water to dilute. Do not induce vomiting.

**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 Cl, F, Na<sub>2</sub>O, NOx.

**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