



# 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 16  
**Manufacturers Name:** Wedron Flux  
**Chemical Formula:** Mixture of Inorganic Salts.

### II. Hazardous Ingredients

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

### III. Physical Properties

<b>Vapor density:</b>	Not known	<b>Melting point range:</b>	600-1400 Degrees F
<b>Specific gravity:</b>	Approx. 2.7	<b>Boiling point range:</b>	Not known
<b>Solubility in water:</b>	Soluble	<b>Evaporation rate:</b>	Not known
<b>Vapor pressure:</b>	Not known	<b>Appearance and odor:</b>	White, fine crystalline solid

### IV. Fire and Explosion

**Flash point:** Not combustible, contains minor amounts of Sodium Nitrate, an oxidizing material.

**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, NO<sub>x</sub>.

**Unusual fire and explosion hazards:** NFPA: Oxidizing material. If Sodium Nitrate is in contact with easily oxidizable substances, violent combustion or explosion may result upon ignition from any source. Increases the flammability of any combustible substance. Molten material may react explosively with water.

## V. Health Hazard Information

**SYMPTOMS OF OVEREXPOSURE:** (Fluorides are generally irritant and toxic whether swallowed, inhaled, or absorbed through the skin. Large amounts of Nitrates taken by mouth may have serious or even fatal effects.)

**Inhalation:** Strong irritation of respiratory tract.

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

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

**Ingestion:** May cause pain, diarrhea, and vomiting. Contains Sodium Nitrate, which may cause abdominal pain, blue lips or fingernails, blue skin, convulsions, dizziness, headache, difficult breathing, confusion, nausea, unconsciousness.

**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.

**Skin Contact:** Wash well with soap and water. Seek medical attention if irritation or chemical burns develop.

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

**Ingestion:** Seek medical attention immediately. Give the person water to dilute. Induce vomiting as directed by medical personnel.

**Suspected Cancer Agent?** No.

## VI. Reactivity Data

**Stability:** XX Stable                      \_\_\_ Unstable

**Conditions to avoid:** Excess moisture. Keep dry.

**Incompatibility (materials to avoid):** Strong acids or acid fumes.

**Hazardous decomposition products (Including combustion products):** Chlorides (Cl), Fluorides (F), Sodium and Potassium oxides (Na<sub>2</sub>O, K<sub>2</sub>O)

**Hazardous polymerization:** \_\_\_ May occur                      XX Will not occur

## VII. Spill, Leak, and Disposal Procedures

**Spill response procedures (including employee protection measures):** Pick up using dustless methods (vacuum). Wear respirator and protective gloves (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. Do not eat, drink or smoke while handling.

**Other handling and storage requirements:** Store in a cool, dry place away from high temperatures and acids. Do not reuse container. Handle with minimum of dust generation.

**Protective measures during maintenance of contaminated equipment:** PVC gloves.

**ADDENDUM:** During metal treatment toxic gasses may be produced:

	OSHA-PEL	ACGIH-TLV
Chlorine/Chloride	1 ppm	0.5 ppm
Fluorine/Fluoride	0.1 ppm	1 ppm

## IX. Transportation Data

NOT REGULATED BY DOT