



# WEDRON FLUX

A DIVISION OF BLACK LAB CORPORATION

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## MATERIAL SAFETY DATA SHEET

Date Prepared: September 15, 2008

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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 60  
**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>
16893-85-9	Sodium FluoroSilicate (Fluoride)		2.5 mg(F)/m <sup>3</sup>	2.5 mg(F)/m <sup>3</sup>
7631-99-4	Sodium Nitrate (Oxidizer)		-	-

OSHA Permissible Exposure Limits (PEL) and ACGIH Threshold Limit Values (TLV) are an 8-hour Time-Weighted Average (TWA) concentration during a 40-hour workweek.

### III. PHYSICAL PROPERTIES

<b>Vapor Density:</b>	Not known.	<b>Melting Point Range:</b>	From 306°C
<b>Specific Gravity:</b>	Approximately 2.44	<b>Boiling Point Range:</b>	Decomposes @ 380°C
<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:** This product contains Sodium Nitrate, an oxidizing material, which supports combustion.

**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, 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. Sodium Nitrate increases the flammability of any combustible substance.

## V. HEALTH HAZARD INFORMATION

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

**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 fifteen (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:** Stable XX Unstable \_\_\_\_\_

**Conditions to Avoid:** Excess moisture; keep dry.

**Incompatibility (materials to avoid):** Strong acids or acid fumes. 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 F, Cl, Na<sub>2</sub>O, NO<sub>x</sub>.

**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. 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.

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

**DOT Proper Shipping Name:** Oxidizing solid, toxic, n.o.s., (contains Sodium Nitrate & Sodium Fluorosilicate)

**DOT Class:** 5.1

**DOT ID Number:** UN 3087

**DOT Pack Group:** III

**DOT Label:** OXIDIZER