



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 61
Manufacturers Name: Wedron Flux
Chemical Formula: Mixture of Inorganic Salts.

II. HAZARDOUS INGREDIENTS

CAS Number	Chemical Name	ACGIH-TLV	OSHA-PEL
16871-90-2	Potassium Fluorosilicate (Fluorides)	2.5mg(F)/m ³	2.5mg(F)/m ³
7784-18-1	Aluminum Fluoride (Aluminum) (Respirable)	10mg (Al)/m ³ - -	15mg (Al)/m ³ 5mg (Al)/m ³
7757-79-1	Potassium Nitrate (Fluoride) (Oxidizer)	2.5mg (F)/m ³ -	2.5mg (F)/m ³ -

III. PHYSICAL PROPERTIES

Vapor density: Not known **Melting point range:** Partially Decomposes @650-750 F.
Specific gravity: Approx. 2.0 **Boiling point range:** Not known
Solubility in water: Soluble **Evaporation rate:** Not applicable
Vapor pressure: Not determined. **Appearance and odor:** White, fine crystalline solid, pungent, saline taste.

IV. FIRE AND EXPLOSION

Flash point: Not combustible; contains minor amounts of Potassium Nitrate, an oxidizing material.

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, SO_x.

Unusual fire and explosion hazards: NFPA: Oxidizing material. If Potassium 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.

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 nausea, diarrhea, and vomiting. Contains Potassium Nitrate, which may cause, gastroenteritis and abdominal pains. Purging and diuresis can be expected.
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 while removing contaminated clothing and shoes. Seek medical attention.
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 immediately 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. Violently impact sensitive with Na, and K.
Hazardous decomposition products (Including combustion products): Chlorides (Cl⁻), Fluorides (F⁻), Sodium and Potassium oxides (Na₂O, K₂O) if heated to high temperatures.
Hazardous polymerization: May occur XX Will not occur
Conditions to avoid: Excess moisture. Keep dry.

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 unless skin contact with chemical is anticipated.
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, protective clothing, eye & face protection.

IX. TRANSPORTATION DATA

NOT REGULATED BY DOT