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MATERIAL SAFETY DATA SHEET

Date Prepared: March 17, 2010

Supersedes: September 15, 2008

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 2
Manufacturers Name: Wedron Flux
Chemical Formula: Mixture of Salts.

II. HAZARDOUS INGREDIENTS

CAS Number	Chemical Name	ACGIH-TLV	OSHA-PEL
16871-90-2	Potassium Fluorosilicate (as F)	2.5 mg/m ³ TWA	2.5 mg/m ³ TWA
67-72-1	Hexachloroethane	1.0 ppm (Skin) TWA	1.0 ppm(skin) TWA
546-93-0	Magnesium Carbonate	None Established	15 mg/m ³ TWA (Total dust) 5 mg/m ³ TWA (Respirable)

III. PHYSICAL PROPERTIES

Vapor density: Not known
Specific gravity: Approx. 2.0
Solubility in water: Soluble
Vapor pressure: 1 mm @32 C

Melting point range: Partially sublimes @ 186 C, Decomposes @350 C.
Boiling point range: Not known
Evaporation rate: Not applicable
Appearance and odor: White, fine crystalline solid, camphor-like odor.

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, MgO, SO_x.
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. Causes irritation of mucous membrane and respiratory tract.

Skin Contact: Causes skin irritation.

Absorbed through skin: Potential for cutaneous absorption

Ingestion: Ingestion may cause central nervous system depression, kidney and liver damage. May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Chronic Health effects or risks from exposure: Hexachloroethane is a possible cancer hazard based on tests with laboratory animals. May cause liver & kidney damage. Contains Fluorides which may cause embrittlement & densification of bones, Sclerosis, Pulmonary Fibrosis & skin rash.

FIRST AID (EMERGENCY PROCEDURES):

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

Skin contact: Wash well with soap and water. Remove contaminated clothing and shoes. Seek medical attention if irritation or chemical burns develop.

Inhalation: Seek medical help immediately. Remove from exposure to fresh air immediately. Provide oxygen if breathing is difficult.

Ingestion: Do not induce vomiting. If victim is conscious & alert, give 2-4 cupfuls of milk or water. Get medical help immediately.

Suspected cancer agent? (Contains Hexachloroethane) Possible select carcinogen. **Yes:**

NIOSH: Occupational Carcinogen **NTP:** Suspect Carcinogen **IARC:** Group 2B Carcinogen

VI. REACTIVITY DATA

Stability: XX Stable unstable

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, or 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): Impervious (PVC) to prevent skin exposure.

Other clothing and equipment: Wear appropriate clothing to prevent skin exposure.

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 and protective clothing.

IX. TRANSPORTATION DATA

NOT REGULATED BY DOT