



# WEDRON FLUX

A DIVISION OF BLACK LAB CORPORATION

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## MATERIAL SAFETY DATA SHEET

Date Prepared: September 15, 2008

Supersedes: December 1, 2004

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 22  
**Manufacturers 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>
7646-85-7	Zinc Chloride	1 mg/m <sup>3</sup> (Fume)	1 mg/m <sup>3</sup> (Fume)

### III. PHYSICAL PROPERTIES

<b>Vapor density:</b>	Not known.	<b>Specific gravity:</b>	Approx. 2.3
<b>Boiling point range:</b>	From 732 C.	<b>Solubility in water:</b>	Soluble
<b>Evaporation rate:</b>	Not applicable	<b>Vapor pressure:</b>	Approx. 1mm @ 428 C.
<b>Melting point range:</b>	From 290 C.	<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; Cl<sup>-</sup>, NaO, ZnCl<sub>2</sub>.  
**Unusual fire and explosion hazards:** Not considered to be an Explosion Hazard. Note: At room temperature, the addition of Magnesium Chloride to Furan-2-peroxycarboxylic acid, will cause the acid to explode.

## V. HEALTH HAZARD INFORMATION

### SYMPTOMS OF OVEREXPOSURE:

**Inhalation:** Dust may strongly irritate the respiratory tract. Contains Zinc Chloride, which may cause burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting. Do not breathe dusts.

**Skin Contact:** May cause severe irritation, skin burns and ulcerations. Symptoms include redness & pain. Avoid all contact with skin.

**Eye contact:** Causes redness, irritation and blurred vision.

**Ingestion:** Toxic. May cause irritation or corrosion to the gastrointestinal tract with abdominal pain, nausea and vomiting.

**Chronic health effects:** Contains Zinc Chloride which can cause varying degrees of problems ranging from dermatitis to ulcerations with repeated skin contact. Repeated inhalation can cause occupational asthma.

### FIRST AID MEASURES:

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Skin contact:** Wash well with soap and water, while removing contaminated clothing and shoes. Get medical attention immediately.

**Eye Contact:** Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention immediately.

**Ingestion:** If swallowed, do not induce vomiting. Give large quantities of water if conscious. Get medical attention immediately.

**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. At room temperature, the addition of Magnesium Chloride to Furan-2-peroxycarboxylic acid, will cause the acid to explode.

**Hazardous decomposition products (Including combustion products):** (Cl), (Na<sub>2</sub>O), ZnCl<sub>2</sub>

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

**Conditions to avoid:** Heat, moisture, incompatibles.

## 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 or splashing of solutions is possible.

**Gloves (specify material):** PVC if material is handled.

**Other clothing and equipment:** Wear impervious protective clothing.

**Work practices, hygienic practices:** Wash hands prior to eating, or after physical contact. Food and drink must be avoided in areas where the materials are being handled or used. Launder contaminated clothing before wearing.

Clean up spills promptly.

**Other handling and storage requirements:** Store in a cool, dry place away from high temperatures and acids. This product is deliquescent and when moisture is absorbed it becomes acidic and corrosive. Protect from mechanical damage.

**DO NOT** reuse container. Handle with minimum of dust generation.

**Protective measures during maintenance of contaminated equipment:** PVC gloves. Causes steel to rapidly rust in humid conditions.

## IX. TRANSPORTATION DATA

**DOT Proper Shipping Name:** Zinc Chloride Mixture

**DOT Class:** 8

**DOT ID Number:** UN 2331

**DOT Pack Group:** III

**DOT Label:** CORROSIVE