



WEDRON FLUX

A DIVISION OF BLACK LAB CORPORATION

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Material Safety Data Sheet

Date Prepared: December 1, 2004

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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 22
Manufacturers Name: Wedron Flux
Chemical Formula: Mixture of Inorganic Salts.

II. Hazardous Ingredients

CAS Number	Chemical Name	ACGIH-TLV	OSHA-PEL
7646-85-7	Zinc Chloride	1 mg/m ³ (Fume)	1 mg/m ³ (Fume)

III. Physical Properties

Vapor density:	Not known.	Specific gravity:	Approx. 2.3
Boiling point range:	From 732 C.	Solubility in water:	Soluble
Evaporation rate:	Not applicable	Vapor pressure:	Approx. 1mm @ 428 C.
Melting point range:	From 290 C.	Appearance and odor:	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⁻, NaO, ZnCl₂.
Unusual fire and explosion hazards: Not considered to be an Explosion Hazard. Note: At room temperature, the addition of Magnesium Chloride to Furan-2-peroxy-carboxylic 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), (Na₂O), ZnCl₂

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