



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 132
Manufacturers Name: Wedron Flux
Chemical formula: Mixture of Inorganic Salts and Quartz.

II. HAZARDOUS INGREDIENTS

| CAS Number | Chemical Name | OSHA-PEL | NIOSH -REL | ACGIH-TLV |
|-------------|-----------------------------------|--------------------------|---------------------------|---|
| 16893-85-9 | Sodium Silicofluoride (Fluorides) | 2.5 mg(F)/m ³ | 2.5 mg(F)/ m ³ | 2.5 mg(F)/ m ³ |
| 14808 -60-7 | Quartz | 0.025 mg/m ³ | 0.05 mg/m ³ | <u>10mg/m³</u> % SiO ₂ + 2 (Respirable) |

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. NIOSH Recommended Exposure Limits (REL) is for up to a 10-hour workday during a 40-hour workweek.

III. PHYSICAL PROPERTIES

Vapor density: Not known
Boiling point range: Not known
Evaporation rate: Not applicable
Melting point range: Partially sublimes @ 186 C, partially decomposes @350 C.
Appearance and odor: White, fine crystalline solid.

Specific gravity: Approx. 2.0
Solubility in water: Soluble
Vapor pressure: 1 mm @32 C

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, NO_x.
Unusual fire and explosion hazards: None.

V. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE:

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
Chronic Health effects: Contains Fluorides, which may cause embrittlement and densification of bones, Sclerosis, Pulmonary Fibrosis and skin rash. Prolonged inhalation of quartz (crystalline silica) dust can produce silicosis.

FIRST AID MEASURES:

Inhalation: Move to fresh air. If breathing difficulties, give oxygen and call physician.
Ingestion: Seek medical attention immediately. Give the person water to dilute. Do not induce vomiting.
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.
Suspected cancer agent? Yes see listing below

Federal OSHA No NTP Yes IARC Yes

NTP: Respirable Crystalline Silica (quartz) is classified as a Carcinogen.

IARC: Crystalline Silica (quartz) is classified in IARC Group 1 Carcinogen.

Hazard Rating (HMIS 0=low, 4=high): Health: 1 Flammability: 0 Physical Hazard: 0 PPE Level: F

VI. REACTIVITY DATA

Stability: XX Stable ___ unstable
Conditions to avoid: Excess moisture. Keep dry.
Incompatibility (materials to avoid): Strong acids or acid mist.
Hazardous decomposition products (Including combustion products): (Cl), (F), (Na₂O), (K₂O), (NO_x)
Hazardous polymerization: ___ May occur XX Will not occur
Conditions to avoid: Avoid contact with iron-containing materials and acids.

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures (including employee protection measures): Pick up using dustless methods (vacuum). Place in a suitable container for disposal. Wear respirator and protective gloves and 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 to reduce quartz dust to OSHA limits.

Respiratory protection (type): Use NIOSH approved respirator for particulate if TLV exceeded.

Eye protection (type): Use chemical safety goggles where dusting is possible.

Skin Protection: PVC Gloves if material is handled, Polymeric coated apron or other body covering to avoid contamination.

Work practices, hygienic practices: Wash hands & face prior to eating, or after physical contact. 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. Good housekeeping & engineering practices should be employed to prevent the generation and accumulation of dust. Protect from mechanical damage. DO NOT reuse container. Handle with minimum of dust generation.

Protective measures during maintenance of contaminated equipment: Same as above.

IX. TRANSPORTATION DATA

NOT REGULATED BY DOT