



# WEDRON FLUX

A DIVISION OF BLACK LAB CORPORATION

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## MATERIAL SAFETY DATA SHEET

Date Prepared: June 1, 2009

Supersedes: February 15, 2006

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-I  
**Manufacturers Name:** Wedron Flux  
**Chemical formula:** Mixture of Inorganic Salts and Quartz.

### II. HAZARDOUS INGREDIENTS

CAS Number	Chemical Name	ACGIH-TLV	OSHA-PEL
14808 -60-7	Quartz	0.1 mg/m <sup>3</sup>	<u>10 mg/m<sup>3</sup></u> (Respirable) % SiO <sub>2</sub> + 2
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			
16893-85-9	Sodium Fluorosilicate (Fluorides)	2.5 mg(F)/m <sup>3</sup>	2.5 mg(F)/ m <sup>3</sup>

### III. PHYSICAL PROPERTIES

<b>Vapor density:</b>	Not known	<b>Specific gravity:</b>	Approx. 2.0
<b>Boiling point range:</b>	Not known	<b>Solubility in water:</b>	Soluble
<b>Evaporation rate:</b>	Not applicable	<b>Vapor pressure:</b>	1 mm @32 C
<b>Melting point range:</b>	Partially sublimes @ 186 C, partially decomposes @350 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; F, Cl, K<sub>2</sub>O, Na<sub>2</sub>O, MgO, SO<sub>x</sub>, NO<sub>x</sub>.  
**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 has been listed in the 6th Annual Report on Carcinogens.

**IARC:** Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans (vol. 42, 1987) concludes that there is limited evidence of the carcinogenicity of crystalline silica to experimental animals, and limited evidence with respect to humans (Class 2A).

**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), (Na<sub>2</sub>O,) ( K<sub>2</sub>O),(NO<sub>x</sub>)  
**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