



# 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 LABELLED:** WF CA 100  
**MANUFACTURERS NAME:** Wedron Flux  
**Chemical formula:** Mixture Of Inorganic Salts and Quartz.

### II. Hazardous Ingredients

CAS Number	Chemical Name	ACGIH-TLV	OSHA-PEL
12179-04-3	Sodium Tetraborate Pentahydrate	1.0 mg/m <sup>3</sup>	10.0 mg/m <sup>3</sup>
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

### III. Physical Properties

**Vapor density:** Not known  
**Boiling point range:** Not known  
**Evaporation rate:** Not applicable  
**Melting point range:** Partially sublimates @ 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  
**Flammable limits in air:** none  
**Fire extinguishing materials:**  
water spray: XX carbon dioxide: \_\_ foam: XX dry chemical: XX other: \_\_  
**Auto ignition temperature:** none  
**Unusual fire fighting procedures:** Self-contained breathing apparatus needed. When heated, material gives off toxic fumes of; Cl-, Na<sub>2</sub>O, SO<sub>x</sub>.  
**Unusual fire and explosion hazards:** None.

## V. Health Hazard Information

### Symptoms of overexposure:

**Inhalation:** Occasional mild irritation of respiratory tract.

**Skin Contact:** Contact may cause slight irritation or rash, particularly with moist skin.

**Eye Contact:** Causes irritation, redness and pain.

**Ingestion:** May cause pain, diarrhea and vomiting.

**Chronic Health effects:** 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).

## VI. Reactivity Data

**Stability:** XX Stable \_\_\_ unstable

**Conditions to avoid:** Excess moisture. Keep dry.

**Incompatibility (materials to avoid):** Strong acids or acid mist. Reaction with strong reducing agents will generate Hydrogen gas which could create an explosive hazard.

**Hazardous decomposition products (Including combustion products):** (Cl<sup>-</sup>), (Na<sub>2</sub>O<sub>2</sub>), (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). If none available, pick up and 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 is 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

**DOT Proper Shipping Name:** Not regulated by DOT

**DOT Class:** Not regulated by DOT

**DOT ID Number:** Not regulated by DOT

**DOT Pack Group:** Not regulated by DOT

**DOT Label:** Not regulated by DOT