



# 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:** ECOFLUX 152; ECO 152  
**Manufacturers Name:** Wedron Flux  
**Chemical Formula:** Mixture of Inorganic Salts.

### II. HAZARDOUS INGREDIENTS

CAS Number	Chemical Name	ACGIH-TLV	OSHA-PEL
7631-99-4	Sodium Nitrate (Oxidizer)	-	-

### III. PHYSICAL PROPERTIES

<b>Vapor density:</b>	Not known	<b>Specific gravity:</b>	Approx. 2.2
<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 combustible, contains minor amounts of Sodium Nitrate, an oxidizing material.

**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:** Use NIOSH / MSHA approved SCBA in an enclosed area. When heated, material gives off toxic fumes of Na<sub>2</sub>O, Cl<sup>-</sup>, K<sub>2</sub>O, SO<sub>x</sub>, NO<sub>x</sub>.

**Unusual Fire and Explosion Hazards:** NFPA: Oxidizing material. If Sodium Nitrate is in contact with easily oxidizable substances, violent combustion or explosion may result upon ignition from any source. Sodium Nitrate increases the flammability of any combustible substance.

## V. HEALTH HAZARD INFORMATION

**SYMPTOMS OF OVEREXPOSURE:** **Contains Sodium Nitrate.** (Large amounts of Nitrates taken by mouth may have serious or even fatal effects.)

**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:** Under some circumstances, methemoglobinemia occurs in individuals when the Nitrate is converted by bacteria in the stomach to Nitrite. Nausea, vomiting, dizziness, rapid heartbeat, irregular breathing, convulsions, coma, and death can occur should this conversion take place.

### **FIRST AID MEASURES:**

**Inhalation:** Move to fresh air. If experiencing 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 (15) minutes. Seek medical help

**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.

**Hazardous decomposition products (Including combustion products):** Portions of this material decompose on heating producing toxic and corrosive fumes including Na<sub>2</sub>O, Cl<sup>-</sup>, K<sub>2</sub>O, SO<sub>x</sub>, NO<sub>x</sub>.

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

**Conditions to avoid:** Separate from acids, food and foodstuffs.

## 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 is possible.

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

**Other Clothing and Equipment:** Not normally required.

**Work Practices, Hygienic Practices:** Wash hands prior to eating or after physical contact. Launder contaminated clothing before wearing.

**Other Handling and Storage Requirements:** Store in a cool, dry place away from high temperatures and acids. Protect from mechanical damage. Do not reuse container. Handle with minimum of dust generation.

**Protective Measures During Maintenance of Contaminated Equipment:** PVC gloves or other impervious material.

## IX. TRANSPORTATION DATA

NOT REGULATED BY DOT