



630 Oakmont Lane ♦ Westmont, IL 60559 ♦ 1-800-323-6863 ♦ ha-international.com

## WF 3

### Product Features

WF 3 is a powerful cleaning and degassing flux for use with all aluminum alloys other than aluminum magnesium alloys.

#### WEDRON - WF 3

This product has been formulated for use in the Flux Injection Process in which flux is injected below the surface of the metal using nitrogen gas as a carrier. The process ensures very efficient use of the flux and enhances metal cleanliness and yield.

The Flux Injection Process is simple to operate and generates lower emissions than conventional methods. In addition to the very efficient cleansing of the metal, another benefit of the process is a powerful degassing effect which eliminates the necessity for a separate degassing operation.

#### Wedron - WF 3 and the Flux Injection Process

- Can be applied to a wide range of melting units from small crucibles to very large central melting furnaces.
- WF 3 is a free flowing flux special formulated for the FTP system.
- WF 3 separates oxides and impurities contained in the molten metal and removes gas.
- WF 3 will modify the structure of aluminum silicon alloys and improve mechanical properties and machinability
- Produces an extremely dry dross low in aluminum content, facilitating easy removal from the melt surface.
- WF 3 and the Flux Injection Process thoroughly stirs the metal so that manual stirring is unnecessary.

#### Directions for use:

1. The amount of flux to be applied will vary depending on the degree of contamination in the melt but is generally .05% to .2% of the metal charge.
2. Flux *is* injected with the Wedron Flux Feeder machine when the metal temperature is within the range of 1260 - 1400 F
3. When the flux/oxide mixture has dried to powdery dross, remove it with perforated reclaimers and collect it in reclaimers for optimum metal recovery.
4. Ensure that the injection lance is cleaned frequently to avoid any restrictions of the bore. Before and after insertion of the lance into the molten metal, ensure that nitrogen is flowing through the lance to avoid clogging.

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Packaging:

Available in 100# Boxes, 500# Boxes, or 500# Fiber Drums

Storage Guidelines:

Avoid extremes of temperature during storage.

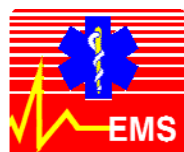
Safe Handling:

Refer to the Material Safety Data Sheet for additional information.

Technical Service

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Date: 8/9/2010 Author: LCO

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