Product Information

TIB Additive F Ferrexal

Product number 206456

PRODUCT DESCRIPTION

TIB Additive F Ferrexal is a concentrated powder additive to Flux solutions for the precipitation of dissolved iron; directly in the flux tank. It maintains a constant pH throughout treatment of the Flux solution

TIB Additive F Ferrexal does not contain Hydrogen Peroxide or Ammonium Hydroxide.

TIB Additive F Ferrexal does not cause dangerous or harmful gases during use and can be added to Flux solutions at all temperatures.

FEATURES AND BENEFITS

- can Precipitates iron
- Stable pH throughout use, controls pH
- Precipitates up to 13kg Iron per drum
- Compatible with all Flux solutions
- Hydrogen Peroxide & Ammonium Hydroxide free
- Avoids Flux disposal

PHYSICAL PROPERTIES

Bulk density	0,56 Kg/m^3
Appearance	Pink / White powder
pH in Solution	6,5
Density	1.26 g/ml

CHEMICAL CHARACTERISTICS

Composition	Zinc-Ammonium Chloride Salt
Formulae in solution	45% $ZnCl_2$: 55% NH_4Cl
Others	Corrosive, hygroscopic

PACKAGING

- 30 kg Barrels

STORAGE

TIB Additive F Ferrexal has a shelf life of approximately 6 months if stored in sealed containers in a cool dry place

CUSTOMS TARIFF NUMBER

38109090

APPLICATION INFORMATION

Flux treatment procedure

Calculation of quantity of **TIB Additive F Ferrexal** required**:**

$$\frac{\text{Vol. of tank (L) X g/l (Iron) X 1.92}}{1000} = \text{Kg } \textbf{TIB Additive F Ferrexal}$$

Whilst using air agitation, **TIB Additive F Ferrexal** should be slowly give to the flux bath.
On completions of the additions, agitation must be continued for a least 1 hour.
After **TIB Additive F** Ferrexal is fully dissolved and the dissolved Iron is now precipitated, it must be removed. Ether let the tank settle for at least 48, better 72 hours and decant the tank to remove the Iron from the tank bottom or filter the Flux until clear
Water and **TIB Flux** are added to achieve the required volume and operating density of the tank.

For a more comprehensive and detailed description of the **TIB Additive F Ferrexal** procedure, then please refer to the technical process documentation**.**

Testing and Control

Frequent testing for pH, temperature, density and dissolved iron is essential to maintain the working bath at its optimum parameters. For the appropriate methods please refer to **TIB´s analytical methods for Hot-dip Galvanisers**.

HANDLING, HEALTH AND SAFETY

Suitable protective clothing should be worn when handling the product for further information refer to the relevant MSDS

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