BUSINESS UNIT
METAL CHEMICALS & FINISHING PRODUCTS

Product Information

TIB Flux T

Product number 201522

TIBCHEMICALS

PRODUCT DESCRIPTION

TIB Flux T is a Zinc-Ammonium Chloride Triple salt for use in the galvanizing industry. It can be used for the initial makeup and replenishment of flux baths

TIB Flux T has a good after pickling effect and can reduce the failure rate due to poor pre-treatment

TIB Flux T it is formulated for efficient galvanizing by dissolving the oxide rich layer on the surface of the steel which is created as the work is immersed into the molten zinc.

FEATURES AND BENEFITS

- can be used for all galvanizing types
- excellent after pickling effect
- quick drying
- free flowing powder

PHYSICAL PROPERTIES

Appearance	white crystalline powder
pH in solution	5,5
Solubility	700 g/l

CHEMICAL CHARACTERISTICS

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

PACKAGING

- 25 kg bags
- 200 kg drums

STORAGE

TIB Flux T has a shelf life of approximately 6 months if stored in sealed containers in a cool dry place

CUSTOMS TARIFF NUMBER

38109090

APPLICATION INFORMATION

Typical operating parameters

Temperature	20 - 80 °C, preferably 60 °C
Time	4 – 5 min
pH	3 – 5.5, preferably 5
Iron	0 – 30 g/l, preferably < 10 g/l

Initial bath make up

Concentration of the flux bath
At 20 °C for 1.000 l flux solution you need:

Concentration ° Bé	**TIB Flux T** kg	Water l
15	275	850
20	375	788
25	491	720
30	612	650

Additions

To strengthen the flux solution
In order to increase the flux by 1°Bé for 1.000 liter's flux solution, you need:

Concentration ° Bé	Addition kg
15 - 20	21
20 - 25	23
25 - 30	25
30 - 34	29

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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