



## Product Information

# TIB Inhibitor Premium

Product number 207022

# TIBCHEMICALS

### PRODUCT DESCRIPTION

**TIB Inhibitor Premium** is a no foam Inhibitor additive for hydrochloric acid Pickling and /or Zinc stripping solutions in the galvanising industry.

**TIB Inhibitor Premium** is added at the makeup of a new bath and to stripping baths where a partial disposal and acid replacement has taken place.

**TIB Inhibitor Premium** does not impede the removal of Zinc; highly reduce the rate of etching on Iron and Steel, thus ensuring higher solution value on disposal and a longer bath life.

**TIB Inhibitor Premium** is used at very low concentrations.

### FEATURES AND BENEFITS

- ◆ Readily miscible.
- ◆ Compatible with Hydrochloric acid.
- ◆ Reduces pitting
- ◆ Reduces Zinc pick up
- ◆ Extends acid life
- ◆ Low operating concentration.

### PHYSICAL PROPERTIES

Density	1.02 g / ml
Appearance	light brown liquid
pH in solution	approx. pH 7 – 10.5
Solubility	Full miscible

### PACKAGING

- ◆ 30 L canisters of 25 kg
- ◆ 1000L IBC's of 1000 kg

### STORAGE

**TIB Inhibitor Premium** has a shelf life of approximately 1 year in sealed containers. The temperature should not be allowed to drop below 0°C or the solution can separate and precipitate.

### CUSTOMS TARIFF NUMBER

32091000

### APPLICATION INFORMATION

#### Typical operating parameters

Concentration of TIB Inhibitor Premium	0.03% the total bath volume
Concentration HCl	1% - 20% or 10 – 220 g/l
Temperature	10-70 °C
Time	10-90 min

#### Initial composition of a new tank (suggested)

<b>TIB Inhibitor Premium</b>	0.03% of the Tank volume
Hydrochloric Acid	500 l of 28% HCl) per m <sup>3</sup>
Iron	See Kleingarn table

#### Testing and control

It is recommended that the density, free acid and Iron levels are tested regularly. For the appropriate methods please refer to **TIB's analytical methods for Hot-dip Galvanisers**.

#### Additions

Only required when adding fresh  
After a partial disposal and fresh makeup, it is necessary to add TIB inhibitor Premium at 0,03% of the volume replaced.

### HANDLING, HEALTH AND SAFETY

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