



## TIB Stanal CP

**TIB Stanal CP** is an aqueous, acid additive for the nitric acid degreasing and etching bath for the preparation of substrates made out of aluminium alloys before tinning with **TIB Stanal** products.

### Product Data

Commercial name	TIB Stanal CP
Density	1.2 kg/l approx.
PH value	< 1
Solubility	miscible in water and most diluted acids; reacts vigorously with alkaline solutions
Delivery form	aqueous solution
Colour	colourless
Odour	typical

### Composition

**TIB Stanal CP** is an aqueous, acidic composition based on good biodegradable, surface active substances and is classified as non toxic, complex fluoride components.

### Specification

TIB STANAL CP	99.9 % min.
Other elements	< 0,1%

### Application

#### **Automotive Industry**

- ♦ additive for the nitric acid **TIB Stanal** etching as preparation of aluminium pistons before tinning with TIB Stanal products.

#### **Electroplating Industry**

- ♦ additive for the nitric acid **TIB Stanal** etching as preparation of aluminium workpieces before tinning **TIB Stanal** products.

### Storage

**TIB Stanal CP** has a shelf life of min. 12 months if correctly stored and tightly closed in its original packaging.

### Packaging

Standard packaging	
PE can	
volume [l]	30
gross/net [kg]	37.5/36

### Special advices for security

Information concerning

- ♦ classification and labelling according to the regulations governing transport and hazardous chemicals.
- ♦ protective measures for storage and handling
- ♦ safety measures in case of accident and fire
- ♦ toxicity and ecological effects

is given in our material safety data sheets.

### Customs Tariff Number

2811 1980