

# SurTec® 660 A

## Iron Inhibitor

### for Trivalent Blue Passivations

#### Properties

- inhibits the dissolution of iron into the trivalent blue passivation bath from uncovered areas of hollow iron parts like tubes, or from parts which were fallen into the passivation bath
- for service life extension of trivalent blue passivation baths (see [SurTec Technical Letter 4](#))
- increases corrosion protection of the trivalent blue passivation layer

#### Application

SurTec 660 A will be added to trivalent blue passivation baths.

make-up value:      0.5 ml/l                      (0.25-1 ml/l)

hints:                      At high iron load, the concentration can be increased up to 2 ml/l without any problems. When overdosed (> 2 ml/l) the passivation layer becomes thinner.

Iron inhibitor SurTec 660 A is able to prevent iron from dissolving into the passivation bath. It is not able to remove or mask iron which already has been dissolved into the bath. Therefore, SurTec 660 A should be added to the trivalent blue passivation solution directly at make up.

#### Technical Specification

(at 20 °C)	Appearance	Density (g/ml)	pH-value (conc.)
SurTec 660 A	liquid, dark brown	1.020 (0.99-1.05)	approx. 7

#### Maintenance

SurTec 660 A is added to the trivalent blue passivation bath in the same ratio to the blue passivation concentrate as at make up time. A temporarily high iron load can be overcome by a one time additional dosage of SurTec 660 A.

#### Ingredients

- water soluble fatty amine derivatives

## Stock Keeping

In order to prevent delays in the production process, per 1,000 l bath, the following amount should be kept in stock:

SurTec 660 A            5 kg

## Product Safety and Ecology

The safety instructions and the instructions for environmental protection have to be followed in order to avoid hazards for people and environment. The Material Safety Data Sheets (according to European legislation) contain explicit details for this.

The following hazard designations and classifications into water hazard classes (WHC) have to be taken into account:

<i><u>product</u></i>	<i><u>hazard designation</u></i>	<i><u>water hazard class</u></i>
SurTec 660 A	C - Corrosive N - Dangerous for the environment	WHC 3

## Warranty

We are responsible for our products in the context of the valid legal regulations. The warranty exclusively accesses for the delivered state of a product. Warranties and claims for damages after the subsequent treatment of our products do not exist. For details please consider our [general terms and conditions](#).

## Further Information and Contact

In our forum, you can discuss topics of the surface technology:

<http://forum.SurTec.com/>

If you have any questions concerning the process, please contact your local technical department: <http://SurTec.com/International.html>

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