



# STANNOL®

Wenn's ums Löten geht  
When it's about soldering  
Quand il s'agit du soudage

## Technical Data Sheet

### STANNOL® soldering liquid (Lötwasser) 41

Highly halide activated low solid flux, water-based to DIN EN 29454-1 type 3.1.1 A  
(DIN 8511 F-SW12)

For easy soldering:

- of metal ware
- in engineering
- in electrical technic

#### Description

STANNOL® Lötwasser 41 is a highly halide activated low solid flux, water-based for soldering and tinning of poor solderable metal surfaces. Excellent wetting is achieved on following metals:

**Copper, Brass, Bronze, Copper-Beryllium  
Nickel and Nickel alloys  
Iron and steel, except stainless steel  
Zinc**

All solid activators are water soluble and residues can be removed by water rinsing.  
At high temperatures most of the activators evaporate, therefore corrosion potential is low.  
If there is a no clean process, a corrosion test is required.

STANNOL® Lötwasser 41 is free of zinc chloride, which is dangerous for environment. All ingredients are biodegradable.

#### Application

Many application methods are possible: brush, drop, dispenser and dipping application. For heating of the solder joint area, an iron, hot-plate, infrared and even a flame can be used. The flux is not flammable.

STANNOL® Lötwasser 41 can be modified by thinning with water or alcohol.

#### Physical Properties and Data

Colour:	colourless
Density (20 °C):	1.05 g/ml
Flash point:	non flammable.
Ignition temperature:	n.a.
PH-value	2.8



#### Shelf life

2 years after date of delivery (provided proper storage in originally sealed container).

#### Health and Safety

Before using please read the material safety data sheet carefully and observe the safety precautions described.

The above values are typical and represent no form of specification. The Data Sheet serves for information purposes. Any verbal or written advise is not binding for the company, whether such information originates from the company offices or from a sales representative. This is also in respect of any protection rights of third parties, and does not release the customer from the responsibility of verifying the products of the company for suitability of use for the intended process or purpose. Should any liability on the part of the company arise, the company will only indemnify for loss or damage to the same extent as for defects in quality.