



Etimol PC 55 CA

Cat.-no. 5110

Electronics cleaner (oc-alkaline-concentrate)

Maintenance cleaning of soldering pallets, condensate traps and soldering equipment machine parts

WEEE/RoHS-compliant



Etimol PC 55 CA is a alkaline electronics cleaner concentrate and is formulated on a solvent base with special organic additives. This formulation effectively cleans and removes baked-on flux residues from wave soldering pallets, soldering equipment parts and from within condensate traps.

Etimol PC 55 CA has been specially developed for further dilution with deionized (DI-water) water. The finished application concentration has a mild odor even at temperatures up to 65°C. The solvent-alkaline formulation achieves good cleaning effects and drying properties. **Etimol PC 50 CA** has mild odor and due to the foamless formulation addition of special defoaming chemicals is mostly eliminated.

The solvent-water-based formulation was specially developed to ensure a high level of occupational safety in combination with the resulting high flash point.

Etimol PC 55 CA supports the elimination of flammable and hazardous solvents from the production area.

Our electronics cleaner consists exclusively of highly pure substances and is free of impurities. These have been specifically selected for electronics manufacturing and do not cause corrosion.

Technical specifications:

Appearance:	Colourless-yellowish, transparent, liquid
Density (20° C):	0,986 +/-0,005 g/ml
pH-value:	Alkaline (10-13)
Halogen-content:	0 % (halide free)
System:	Solvent-alkaline based with additives
Solvents:	glycol-based, free of short-chain alcohols
Boiling point / range:	>100°C
Flashpoint:	None (>85 °C) / None (ready diluted)
Application:	1 part concentrate + 7-10 parts DI-water
Reliable cleaning results with:	Flux residues, paste residues, resin/rosin, waxes, condensate from PCB boards, BGA's, leaded, lead-free, SMT-adhesives
Shelf life:	36 months
Storage conditions (recommended):	Store in a cool and dry place (5°C – 25°C)
Working temperature:	Usually: 10°C – max. 65 °C (ideal: 45 - 55°C)
Transportation:	No dangerous goods

Additional information on the ingredients (hazardous substances), safe handling, storage, transport and disposal can be found in the current safety data sheet (SDS, SDS, MSDS).

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Application notes:

Our recommendation for **Etimol PC 55 CA** is a dilution of 1 part concentrate and 7-10 parts deionized water.

The finished cleaning medium is sprayed directly onto the surface to be cleaned at room temperature, left to act for a few minutes and then wiped off.

Depending on the application, the cleaner is filled in and used manually or in an automatic cleaning system (spray system and/or ultrasonic bath).

The recommended cleaning temperature is between 20°C (RT) and 55°C, ideal: 45 - 55°C, max. 65°C.

Customer benefits:

- Highly effective cleaning results
- Multi-purpose applications • High spectrum of activity
- Production of your own application dilution
- Gentle on systems and materials used
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- Low odor / original = low VOC (<31%) / ready diluted = low VOC (<5%)
- Not aggressive towards electronic components • Formulation consists of highly pure individual components
- Contains no halogen or halide compounds
- Free from phosphorus, sulfur and nitrogen compounds
- Acid free
- Free from highly flammable solvents
- Contains no corrosive chemicals
(No caustic -corrosive- chemicals in maintenance cleaning operations)
- No dangerous goods
- Completely miscible with DI water
- Storage stable
- Minimum durability of 36 months

APPLICATION AREAS:

- Higher quality electronics manufacturing
- Automotive sector
- Food area
- Air and. Space sector
- Medical field
- Electrical area
- Tool and mechanical engineering
- Maintenance

Consider approvals of equipment manufacturers!

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Testing /control of the cleaning bath:

A) We recommend checking the cleaning bath with a pH meter and a conductivity meter.

In practice, we recommend changing the cleaning bath when:

- pH: <9.

- Conductivity is 1,3 – 2,8 mS/cm (recommendation: 1,8 mS/cm (max. 2,8 mS/cm)).

B) We also have a quick test procedure in our range:

EO-TRS-001 (TEST-REAGENT-SOLUTION) [EO cat.-no.: 2330]

This quick-test is suitable for a quick determination of Etimol PC 55 CA as a ready-made cleaning solution in the bath.

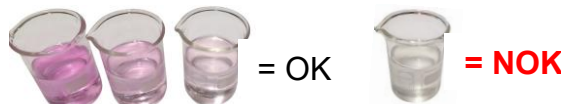
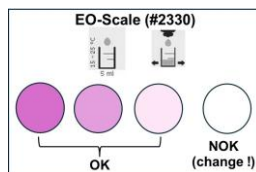
EO-TRS-001 does not provide any measured values, but only gives quick information as to whether a cleaning bath is still suitable or needs to be replaced.

Instructions for use:

For testing, take a bath sample of approx. 100ml into an extra clean container (or 5-10ml container from **EO-TRS-001 KIT**) and add approx. **5 drops** of **EO-TRS-001**.

Swirl or shake the sample briefly.

PINK-LIGHT REDDISH = OK



COLORLESS = NOK

(The cleaner in the bath needs to be replaced)

-The cleaning bath is still OK if the sample is PINK-REDDISH.

-If the sample solution is colorless, however, then it is no longer OK and needs to be replaced.

C) We also offer you the service of testing your circuit boards in our “Contaminometer CM11+”.

You are also welcome to send us a sample of your cleaning bath to receive information about its effect and further usability.

We also support you in determining the optimal cleaning cycle.

Packing units:

Jerrycans with 5 and 20 litres, other packing sizes on request

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