



Etimol DFX 80 CA

Cat.-no. 5112

Electronics cleaner / PCBA-Defluxing / (oc-alkaline-concentrate)

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

WEEE/RoHS-compliant



Etimol DFX 80 CA is a alkaline electronics cleaner concentrate and is formulated on a solvent base with special organic additives. This formulation effectively cleans and removes flux residues, paste residues and general soldering process residues.

Etimol DFX 80 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.

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 DFX 80 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):	0,967 +/-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)
Application:	1 part concentrate + 4-5 parts DI-water
Reliable cleaning results with:	Flux residues, paste residues, resin/rosin, waxes, condensate from PCB boards, 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 (55-65°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).

EMIL OTTO
Flux- und Oberflächentechnik GmbH
D-65346 Eltville – Eltviller Landstr. 22

Tel.: +49 (0)6123 / 70 46 0 – Fax: +49 (0)6123 / 70 46 15





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Application notes:

Our recommendation for **Etimol DFX 80 CA** is a dilution of 1 part concentrate and 4-5 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, max. 65°C.

Due to its innovative composition, the mixture leaves no residue in the device even at soldering temperatures of >200 °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 • Low odor / low VOC (4-18%)
- 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

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Electronic

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Consider approvals of equipment manufacturer!

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: <9,5.
- Conductivity is 1,1 – 2,5 mS/cm (recommendation: 1,5 mS/cm (max. 2,5 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 DFX 80 CA as a ready-made cleaning solution in the bath.

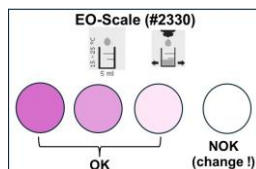
EO-TRS-001 does not provide any measured values, but only gives quick information as to whether a cleaning bath is still suitable or needs to be replaced.

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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The above described attributes are average values. They are meant solely for your information and are no specifications as such. These instructions of use are without obligation and do not exempt our customers from their own trials of suitability for their own purposes.