

# TOPKLEAN™ EL-20D



## Precision cleaning solvent for PCB after assembly

### FEATURES

**TOPKLEAN EL-20D** is specifically designed to remove no-clean leaded or lead-free solder pastes.

Distills homogeneously and is suited to vapour phase rinsing in closed equipment (narrow distilled temperature range).

Contains no surfactant and provides spotless dried surfaces; its neutral pH enables the cleaning of sensitive parts.

### SPECIFICATIONS

Characteristics	Unit	Value	Method
Flash point	° Celsius	≥ 64	-
Density at 20°C	Kg/m <sup>3</sup>	879 ± 10	ASTM D 4052

### CHARACTERISTICS

Properties	Unit	Value	Method
Appearance		Clear colourless liquid	Visual
Distillation interval	°C	170 - 180	No standard method
Vapour pressure 20°C/50°C	mbar	0.6	No standard method
Aromatic content	% weight	none	SMS 2728
Non-volatile residues	% weight	0.1	No standard method
Relative evaporation	nBuAc-1	0.04	ASTM D3539
Solubility in water	-	Not very soluble	-

For plastic materials, we recommend to perform a few cleaning tests prior to actual production.

### PACKAGING

Can	20 L
Drum	200 L

## STORAGE & SHELF LIFE

The product can be stored in soft steel, stainless steel or polypropylene containers.  
Keep product in closed container.

Shelf life: 18 months

## PROCESS PARAMETERS

**TOPKLEAN EL-20D** can be used undiluted in all facilities suited for solvents with a flash point above 55°C, A3 type.

Vacuum distillation can be easily driven in closed circuit, resulting in a low solvent consumption.

Due to its excellent cleaning ability, **TOPKLEAN EL-20D** can be used to remove no-clean solder pastes as well as rosin-based and water soluble fluxes.

## HSE

**TOPKLEAN EL-20D** can be regenerated through a vacuum distillation process without affecting its composition and properties. Used **TOPKLEAN EL-20D** can be recovered and disposed of as used oils by specialised companies. For further information, please contact your distributor.

**TOPKLEAN EL-20D** is not regarded as a flammable product, but nevertheless as a combustible one. Under normal processing conditions, it is perfectly safe for the operator, the equipment, the working area and the environment. All relevant safety precautions must be taken as regards fire and explosion risks. The recommended personal protective equipment must be worn when handling or being exposed to the product.

**TOPKLEAN EL-20D** has a very low impact on the environment and generates few emissions under normal processing temperatures. It has no ozone-depleting potential.

When loaded with solder residues, **TOPKLEAN EL-20D** can be easily collected and sent for disposal by incineration, or recovered.

Avoid contact with eyes and skin.

Please refer to the Material Safety Data Sheet before use.

No issues when used as recommended.

***Although the conformity to ROHS 2002/95CE applies EQUIPMENT put on the market and not a component in particular, we warranty that this product contains less than 0.1% of mercury, lead, chromium VI, polybrominated biphenyls (PBB) and polybrominated diphenyl ethers (PBDE) and less than 0.01% for the cadmium, in accordance with the decision of The European Commission dated 18/08/2005, fixing the maximal concentration values.***

*This data is based on information that the manufacturer believe to be reliable and offered in good faith. In no event will INVENTEC be responsible for special, incidental and consequential damages. The user is responsible to the Administrative Authorities (regulations for the protection of the Environment) for the conformity of his installation.*

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