

PROMOCLEAN™ OVEN 4



High-solvency cleaning agent Reflow Ovens/ Wave systems maintenance

FEATURES

PROMOCLEAN™ OVEN 4 is a water based solution formulated to remove all types of flux residues left on reflow ovens parts, conveyor fingers in wave soldering equipment and wave carriers. For manual use only.

Ease of maintenance is a key consideration to reduce the equipment cost of ownership. **PROMOCLEAN™ OVEN 4** provides an excellent cleaning power contributing to speed up the maintenance cleaning process, which reduces equipment downtime time and loss of production.

- No Toxic, no risk for user
- Non-flammable
- Pleasant smell
- Easy to use/ easy maintenance
- Very low VOCs
- Environmental friendly
- Ready to use
- Compatible with all metals including stainless steel, aluminium, copper and brass
- Evaporation rate permits a reduced consumption even down to 50% compared to IPA and other solvents
- No flash point allows application on warm surfaces for a faster/ shorter cleaning time

SPECIFICATIONS

Properties	Value	Methods
Appearance	Transparent yellow	Visual
Density at 20°C	0.97 ± 0.01 g/ml	MO 0810
PH of pure product	11.3 ± 0.5	MO 0710
PH of product at 1 %	10.1 ± 0.5	MO 0710
Flash point	None	ASTM D 93

CHARACTERISTICS

PROMOCLEAN™ OVEN 4 is a moderate alkaline clear yellow liquid. It does not contain EDTA, aromatic components, chlorinated solvents or phosphate.

It is a very low VOC and non-flammable cleaner. It is considered a non-hazardous material.

Properties	PROMOCLEAN™ Oven 4
Water solubility	Total
Solvent solubility	Non soluble
VOC per standard 199/13/CE	20.97 gr/ Lt (2%)
GWP	None
ODP	None

PROCESS PARAMETERS

Application guideline and Recommendations

Step 1	Spray Promoclean™ Oven 4 over the surface of parts to clean
Step 2	Wait 1 minute for the chemical to react with the contaminants
Step 3	Wipe clean with dry paper or cloth
Step 4	Let dry at room temperature/ open air



Manual cleaning of reflow oven: *before*

after

This product is specially designed for **manual use only**. It releases its active cleaning agents fast. For this reason **PROMOCLEAN OVEN 4** is not recommended to be used in cleaning equipment application. The cleaning power will be quickly reduced (short bath-life). For manual application a spray bottle has been designed with ease of handling in mind.

Surface to clean can be warm (10° – 80°C) allowing to shorten the cleaning downtime in comparison to IPA.

To clean reflow oven parts and wave carriers in ultrasonic or spray equipment we recommend PROMOCLEAN™ DISPER 610.

Regular scheduled preventive maintenance of manufacturing equipment is a best practice for quality assurance and optimal cleaning chemistry consumption.

PACKAGING

Spray bottle	0.5 and 1 Lt
Drum container	20 Lt

STORAGE & SHELF LIFE

Product should be stored in sealed original container above 0°C. Shelf life in sealed container: 18 months

HSE

No issues when used as recommended.

INVENTEC Material Safety Data sheets can be found at www.quickfds.com

Please refer to Material Safety Data Sheet before use

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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