

PROMOCLEAN™ Disper 610



Wave pallets/ reflow condensation traps
Maintenance cleaner for automated process

GREENWAY

FEATURES

- High cleaning efficiency at low concentration
- No rinsing required
- Environmental friendly, formulation based on natural resources. Biodegradable
- For automated process using spray-in-air or by dipping using ultrasonic or jetting systems

DESCRIPTION

PROMOCLEAN™ DIPER 610 is a water based alkaline cleaner formulated with a high wetting power to remove all types of baked-on flux residues left on reflow oven condensation traps and wave soldering pallets.

Ease of maintenance is a key consideration to reduce the equipment cost of ownership. **PROMOCLEAN™ DIPER 610** provides an excellent cleaning power contributing to speed up the maintenance cleaning process, which reduces equipment downtime time and loss of production; recommended for high volume electronics manufacturing sites.

| | |
|--------------------------------------|--|
| PERFORMANCE & RELIABILITY | <ul style="list-style-type: none">• Compatible with all metals• No rinsing required |
| COST | <ul style="list-style-type: none">• High cleaning efficiency at low concentration• Long bath lifetime |
| ENVIRONMENT | <ul style="list-style-type: none">• Non-flammable, no flashpoint• No toxic, no risk for the user• Low VOCs• Biodegradable |

SPECIFICATIONS

| Properties | Value | Methods |
|--------------------|-------------------------------------|---------|
| Appearance | Colorless to slightly yellow liquid | Visual |
| Density at 20°C | 0.99 ± 0.01 g/ml | MO 0810 |
| pH of pure product | 10.6 ± 0.5 | MO 0710 |
| Flashpoint | none | |

CHARACTERISTICS

PROMOCLEAN™ DIPER 610 is a moderate alkaline clear yellow liquid biodegradable according to regulation 648/ 2004. It is a low VOC and non-flammable cleaner. It is considered a non-hazardous material.

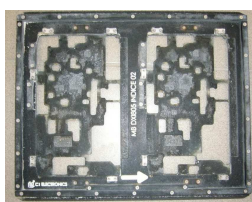
| Properties | PROMOCLEAN™ DISPER 610 |
|----------------------------------|------------------------|
| Water solubility | total |
| VOC | 7.97% |
| Surface Tension | 29.5 dynes/ cm |
| Wettability per NORM NFT73420 | 32 s |

PROCESS PARAMETERS

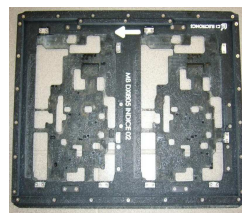
Application guideline and Recommendations

| | |
|---------------|---|
| Step 1 | Promoclean™ Disper 610. Recommended concentration: 25% with D.I. water Temperature 40° to 60°C |
| Step 2 | Spray for aprox 10 min to remove the contaminants |
| Step 3 | No rinsing required. Dry with hot air or circulating air |

Wave pallet cleaning



Before

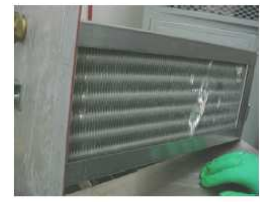


After

Condensation trap cleaning



Before

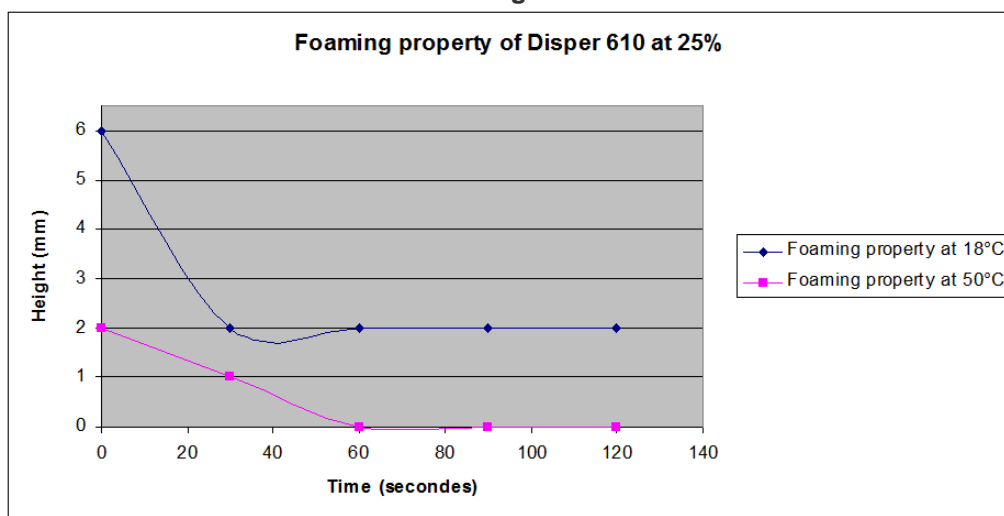


After

Average contact time with PROMOCLEAN™ DISPER 610 during cleaning process: 3 to 10 min.

On the graph below, the foaming property is represented as a function of the concentration of the solution. Referring to Ross-Miles method, the high of foam is measured at several moments.

Foaming curve



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

PACKAGING

Drum container

20 Lt and 200 Lt

STORAGE & SHELF LIFE

Product should be stored in sealed original container between 0°C and 50°C. Shelf life in sealed container: 18 months

HSE

Please refer to Material Safety Data Sheet before use. No issues when used as recommended. INVENTEC Material Safety Data sheets can be found at www.quickfds.com

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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