

MPCT

Technical Data Sheet

INDIAQUA-OC 100 ---Reflow Oven Cleaner

Product Description

A specially formulated **MOLECULAR PHASE CLEANING TECHNOLOGY (MPCT)** is an amalgamated emulsion. Both water and surfactant molecule react with each other to form a cleaning medium which in turn react with organic and inorganic contaminants to form a complex precipitate which is 100% soluble in water. It has a wide process window to clean reflow ovens and wave solder machine sparts baked residue . Reflow Oven Cleaner is designed to remove all types of flux residues. The cleaner is also suitable for many general degreasing applications.

Regular use of Reflow Oven Cleaner will prevent build up of condensed flux residues inside reflow ovens and wave soldering machines. This helps to maintain the efficient running of the equipment and avoid contaminating PCBs with precipitated residues. The cleaner contains inhibitors to prevent corrosion to both ferrous and non-ferrous metals and is compatible with most polymers.

Areas of Application: Reflow ovens and wave solder systems		Material Compatibility
Low solid flux residues*	++	Compatible with ferrous, non ferrous ,HDPE, Bakelite , Teflon, Nylon etc.
Rosin based flux residues*	++	
Water soluble flux residues*	++	
Synthetic fluxes*	++	
Fumigation contamination	++	

Features

Favorable GHS and Safety Ratings ,No Flash Point , Alternative of IPA

Improved cleaning performance

The medium does not contain any ingredients which could leave residues on the oven surfaces; therefore, avoiding harmful condensation on the assembly surfaces after restarts

Short soaking time due to advanced formulation

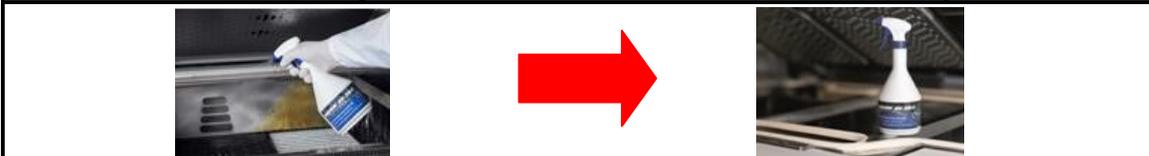
Excellent material compatibility with steel, aluminum and epoxy surfaces

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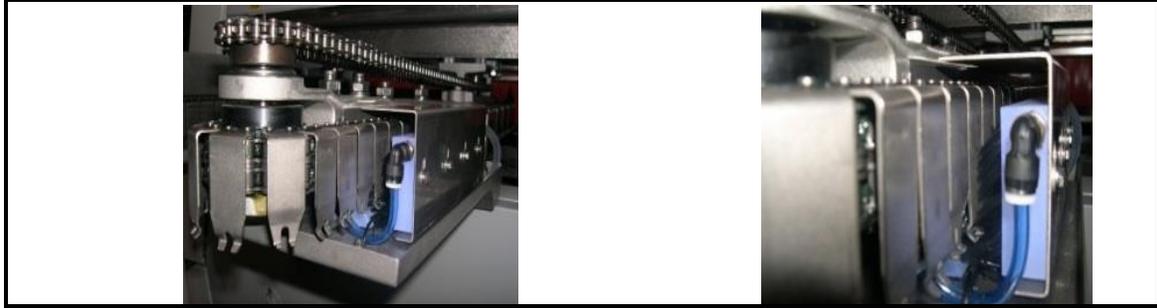
Density	(g/ccm)at20°C/68°F	1.01
Surface tension	(mN/m)at25°C/77°F	31,8
Boiling point	°C/°F	>99°C/210.2°F
Flash point	°C/°F	None
pH value	10g/H ₂ O	10.1
Vapor pressure	(mbar)at20°C/68°F	Approx. 22
Cleaning temperature	°C/°F	20-50°C/68-122°F
Solubility in water		Soluble
Application concentration	Ready-to-use	Pure
HMIS Rating	Health-Flammability-Reactivity	0-0-0

Typical Applications

Manual cleaning of reflow ovens and wave solder systems

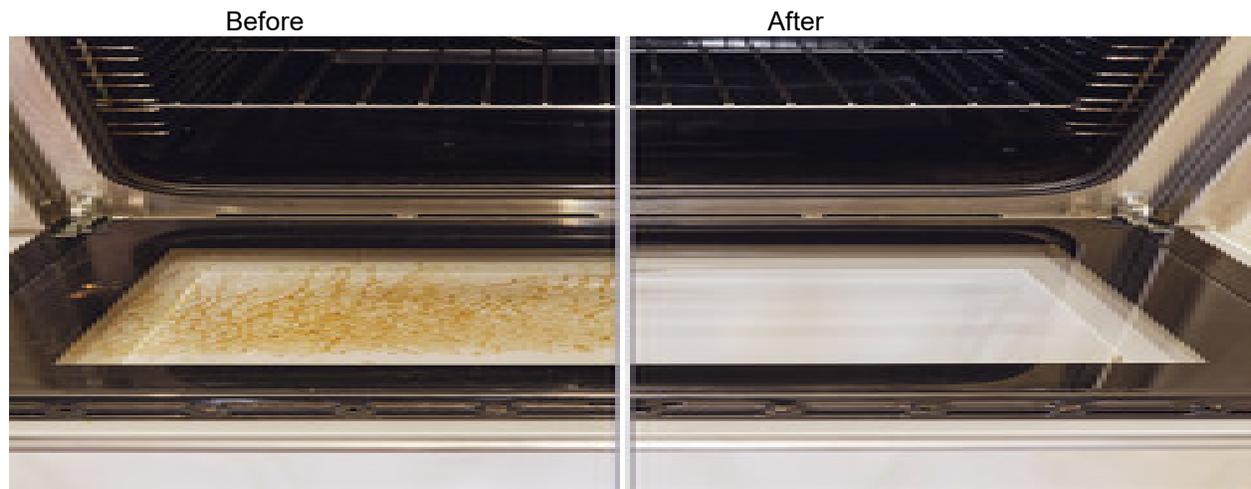


Automated cleaning device of convey o rfinders in wave solder systems



Directions for Use

Reflow Oven Cleaner is supplied at a ready to use concentration in a spray trigger bottle for easy application, and can be used at temperatures between 20-50 °C. The performance of the cleaner will be optimised by spraying onto a warm oven, ~40°C, and leaving for a few minutes to soften the residues before manually wiping off. As the product is non-flammable the oven can be switched back on immediately after cleaning without concern about solvent vapours reaching their flash point.



Storage

The product should be stored below 40°C in the original container having self life of 2 years from date of manufacturing . Do not freeze.

AVAILABILITY

1LTR, 5 LTRS AND 20 LTRS JARS

MAKE IN INDIA BY :-

TANAY CHEMICALS

Khasra No – 565,566, Sector-73, Sarfabad , Noida , Gautam Buddha Nagar, Uttar Pradesh -201301 .