# JC-Q100-2 Cleaner (TDS)

Issue date: May 10, 2025 | Revision date: May 10, 2025

## Product Introduction

This cleaner contains no ozone-depleting substances (ODS) or RoHS-restricted substances. It is fully suitable for cleaning post-soldering fixtures and jigs and for cleaning board surfaces after soldering. It offers strong cleaning power and leaves no water marks or white residue after drying. It has been developed specifically for lead-free processes, and its performance can be adjusted to suit the customer's production process.

## Product Features

1. Low surface tension and strong penetration for fast, effective cleaning.
2. Non-flammable, safe to use and easy to operate.
3. Strong ability to dissolve rosin resins; quickly dissolves post-soldering rosin residues.
4. Dries quickly after cleaning, leaving a clean surface with no marks.
5. Free from RoHS-restricted and other environmentally prohibited substances.

## Instructions for Use

1. **Ultrasonic cleaning:** Select a suitable vibration frequency for the ultrasonic cleaner based on your existing process, control the cleaning temperature appropriately and set the cleaning time so that the cleaner achieves the expected result. Parts should be fully immersed in the cleaner and spaced appropriately. Over time, residues accumulate in the cleaner and reduce its cleaning power, so the bath should be replaced periodically (frequency depends on actual conditions).
2. **Spray cleaning:** Adjust the cleaner flow rate and spray pressure, control the cleaning temperature appropriately and set the cleaning time so that the cleaner achieves the expected result.
3. **Manual cleaning:** Apply the cleaner to the area to be cleaned with an anti-static brush and scrub repeatedly, then wipe away the dissolved residues with a lint-free cloth.

# Cleaner Specification Sheet (MSDS)

| Item | Value |
|---|---|
| **Main component** | Organic chemical solvent |
| **Appearance and properties** | Colorless, transparent liquid with a pungent, gasoline-like odor |
| **Melting point (°C)** | 6.5 |
| **Boiling point (°C)** | 80.7 |
| **Relative density (water = 1)** | 0.78 ± 0.05 |
| **Flash point (°C)** | -18 |
| **Auto-ignition temperature (°C)** | — |
| **Solubility** | Insoluble in water; soluble in ethanol and ether; miscible with most organic solvents |
| **Toxicity** | Low toxicity; has irritant and anesthetic (narcotic) effects. |

**Disclaimer:** The information provided herein is based on data available at the time of publication and is believed to be accurate. However, no warranty, express or implied, is given regarding its accuracy, completeness, or suitability for any particular application. Users are responsible for verifying product suitability through their own testing and evaluation. To the fullest extent permitted by applicable law, JIT Industrial accepts no liability for loss or damage arising from the use of or reliance on this information. Specifications and information may be revised without prior notice.