JC-Q209 Cleaner (TDS)

Product Introduction

This cleaner contains no ozone-depleting substances (ODS) or RoHS-restricted substances. It is suitable for cleaning post-soldering fixtures and jigs, as well as circuit-board surfaces after soldering. The product provides strong cleaning performance and, after drying, leaves no water marks or white residue. Developed for lead-free manufacturing processes, its performance can also be adjusted to suit customers' production requirements.

Product Features

1. Low surface tension and strong penetration allow fast, effective cleaning.
2. Described as non-flammable in the manufacturer's TDS; easy and convenient to use.
3. Strong ability to dissolve rosin resins and remove post-soldering rosin residues quickly.
4. Dries quickly after cleaning, leaving a clean surface without visible marks.
5. Contains no RoHS-restricted or other environmentally prohibited substances.

Instructions for Use

1. **Ultrasonic cleaning:** Choose an appropriate vibration frequency for the ultrasonic cleaner according to the existing process. Control the cleaning temperature and set a suitable cleaning time to achieve the desired results. Immerse the items completely in the cleaner and keep appropriate spacing between them. As residues accumulate during use, cleaning effectiveness decreases; replace the cleaning liquid in the tank periodically, depending on actual conditions.
2. **Spray cleaning:** Adjust the cleaning-liquid flow rate and spray pressure. Set the appropriate cleaning temperature and duration to achieve the desired cleaning results.
3. **Manual cleaning:** Dip an anti-static brush into the cleaner, apply it to the area to be cleaned and scrub repeatedly. Use a lint-free cloth to remove the dissolved residues from the surface.

Cleaner Specification Sheet (MSDS)

Item	Value
Main component	Organic chemical solvent
Appearance and properties	Colorless, transparent liquid with a chloroform-like odor
Melting point (°C)	-59.5
Boiling point (°C)	80.5
Relative density (water = 1)	1.38 ± 0.05
Relative vapor density (air = 1)	4.38
Saturated vapor pressure (kPa)	30.55 (20 °C)
Heat of combustion (kJ/mol)	679.5
Critical temperature (°C)	271
Critical pressure (MPa)	5.02
Log octanol/water partition coefficient	2.07
Flash point (°C)	59.5
Ignition temperature (°C)	- [not specified]
Refractive index	1.38512
Viscosity (mPa·s)	0.4 (20 °C)
Solubility	Insoluble in water; soluble in ethanol and ether; miscible with most organic solvents
Stability	Stable under normal temperature and pressure
Polymerization hazard	Will not polymerize
Incompatible materials	Strong oxidizing agents, strong reducing agents, strong alkalis, aluminum and magnesium
Explosive limits (% v/v)	- [not specified]
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.