

User-friendly line-up of Reflow oven cleaner KakenClean DF-series

Spray type

Easy-to-use with atomizer package.

Refill type

Cost and eco friendly as you can refill the spray bottle.
 Also applicable to ultrasonic cleaning apparatus without dilution.

Conc. type

More cost and eco friendly enabled by adjustable concentration to effectively clean the object without waste.
 (3-times diluted has the same concentration as KakenClean DF-555U/99U.)



KakenClean DF-series surely improves
 your work environment with
 low odor and high cleaning performance!

NOW streaming
 "cleaning movie"
 on YouTube!



	Degree of staining	Before apply	After apply	After 10min. (wipe off the liquid)
KakenClean DF-conc. type 3-times diluted	High			
KakenClean DF-conc. type 5-times diluted				
KakenClean DF-conc. type 10-times diluted	Low			

KakenClean DF-series

KakenClean DF-series are water-based cleaner and strongly remove flux stuck onto each parts in reflow and other oven.

KakenClean DF-series can be used also for conveyor chain and each parts of wave soldering or fluxer and carrier (carrier pallets).

■ Features





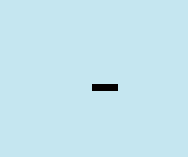










- ✓ **LOW ODOR** without unpleasant odor, realizing comfortable work environment,
- ✓ **SPLENDID CLEANING PROPERTY** with three times as much flux dissolving property as IPA, though it is water-based cleaner,
- ✓ **WIDE SELECTION OF CLEANING METHOD** including spraying with a spray bottle for KakenClean, wiping, dipping and applying to ultrasonic cleaning apparatus, and
- ✓ **LOW TOXICITY** without halogenated solvents such as toluene, xylene or IPA, and mainly composed of glycol-based solvents and water.

■ Property

KakenClean Model	Main components	Solubility (Greater is better)	Flash point (°C)	Boiling point (°C)	pH	UN Class	Package
DF-555U	Glycol ethel	10	None	>100	11 (1 wt% aq)	Class 8 (Corrosive substances)	Spray : 500g x 12bottle Refill : 18kg / UN can Conc. : 17kg / UN Can
DF-99U	Glycol ethel	8	None	>100	11 (1 wt% aq)	N/A	Spray : 500g x 12bottle Refill : 18kg / UN can Conc. : 17kg / UN Can

■ Solubility comparison

Test pieces : Put flux (0.1g) on SUS plate and burnt at 160 °C
Test condition : Dip test pieces in DF-series with ultrasonic and IPA at stationary condition at room temp..

	Before	30sec.	60sec.	90sec.	120sec.
DF-555U refill					
DF-99U refill					
	Before	5min.	10min.	15min.	30min.
IPA					

*Flash point of IPA is at 12°C. We do NOT recommend to use IPA in ultrasonic cleaning machine and conduct solubility comparison under stationary condition.