

NEW!

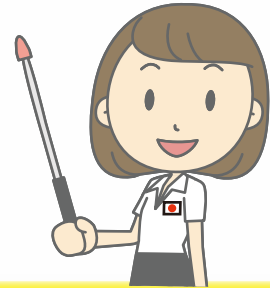
STENCIL CLEANER

HA-4040U

Good news

**for IPA / Ethanol users
with stencil cleaning machine!**

* IPA : Isopropyl alcohol



Don't you have **problems** as

- ✓ Running cost
- ✓ Odor
- ✓ Related laws and regulations
- ✓ Designated quantity
- ✓ Cleaning ability



when using IPA / Ethanol?

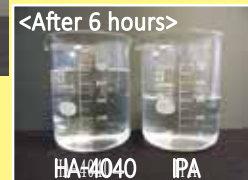
**New proposal from
the leading manufacturer of
stencil cleaner!**

Stencil cleaner HA-4040U

☘ Compared to IPA, **1/7** of evaporation loss!

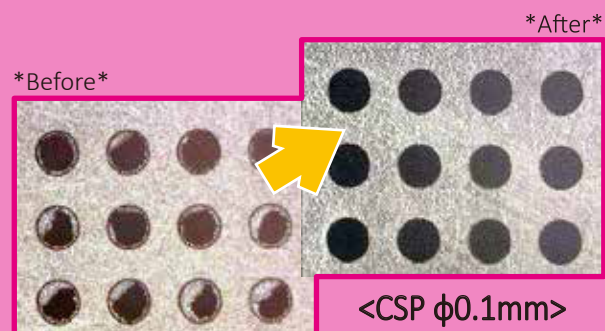
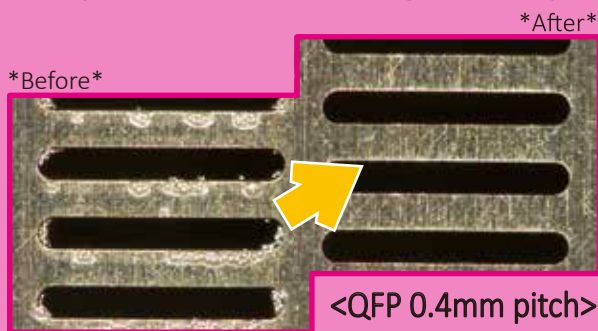
	Unit price (take 100 for IPA)	Liquid consumption* (per stencil)	Running cost (Take 100 for IPA)
HA-4040U	500	30cc	58
I P A	100	250~300cc	100

*Actual volume of Liquid consumption (Using SAWA CLEAN SC-ML736J(manufactured by SAWA CORP.))



Test condition : leave in oven at 35 oC for 6 hours.

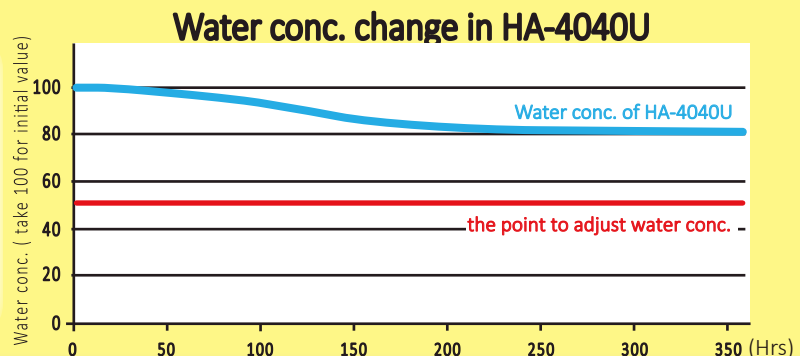
☘ Splendid cleaning ability!



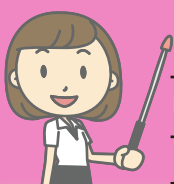
Cleaning condition : SAWA CLEAN SC-ML736J (manufactured by SAWA CORP.)
Cleaning for 5min, drying for 35min.

☘ No need to adjust water conc.!

If take 100 for water conc. of new HA-4040U, HA-4040U does not reach to the water conc. which needs adjustment (50.6) while using.



☘ Related laws and regulations



Product name	Japanese Fire Service Act	Flash point	UNRTG	UN Class	UN No.
HA-4040U	Not classified	Not applicable	Not classified	Not classified	None
I P A	Alcohols	11.7oC	Class 3	Class 3.2	1219

Content in this data sheet provides representative examples and is subject to change without prior notice.

Solder Pallet Cleaning System

PALLETCLEANER

High solubility cleaning system
for burnt-in flux eliminates scrubbing solder pallet!

Benefits of PALLETCLEANER

☺Manpower reduction

[Case study] Pallet Q'ty 50 pcs/day

Manual scrubbing
with IPA
for 120min...



PALLETCLEANER
25min

80% cut

☺Cost reduction

*Lower running cost
compared to IPA

30% cut

*Spray cleaning does not
damage solder pallet

Longer
life time

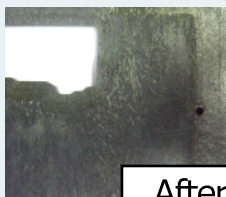
☺Excellent performance

*Thorough removal of
burnt-in flux

Quality
improves



Before



After



1 min.
cleaning

Dimension : W600×D500×H1100mm
Power supply : 3-phase, 200V
Tank capacity : approx.12 L

PALLETCLEAN, designated cleaner

Item	Features	Flash point	Application
PALLETCLEAN PA-2850U	Supreme flux solubility Rapid dry	51℃	Immersion Spray
PALLETCLEAN PA-3200U	Low VOC	68℃	Spray
PALLETCLEAN PA-3980U	Low VOC No flash point	None	Immersion Spray

NEW Cleaner for burnt flux

DF-555U

Having trouble with

Strong, unpleasant odor...
Low cleaning property...
Inflammability and toxicity...
of conventional cleaner?



**DF-555U
can solve all the problem!**

【Comparison of cleaning property】

	Before apply	After 2min	After 5min	After 10min	After wiping
Kaken Clean DF-555U					
IPA					

【Characteristics】

Name	Main component	F.p.	UN Class	UN No	PG	Package
Clean DF-555U	Glycol, water	None	Class 8	3267	III	500g×12btl/can
IPA	Isopropyl alcohol	12℃	Class 3	1219	II	14kg/Can

NEW Innovative Deflux system

MICROCLEANER **ECO**

Designated cleaner **MICROCLEAN** ECO series

Environmentally compatible deflux system

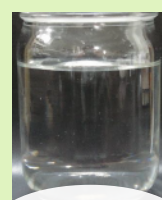
Water rinse
NOT
required

Recyclable
with
built-in
distiller

Diluted to
25-35%
in use



Diluted with water,
2-phase cleaning with stirring



Undiluted



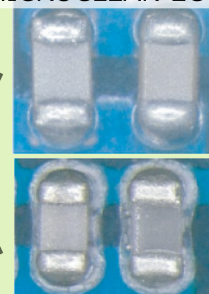
Diluted
and stirring

Compatible with
lead-free flux

MICROCLEAN ECO-3002



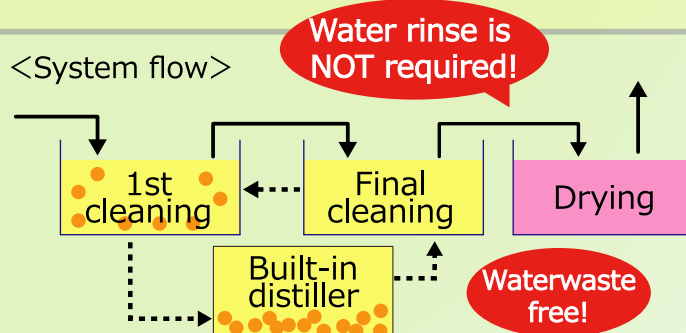
Lead-free solder paste



Hydrocarbon type solvent



<System flow>



【General specification】

Dimensions	W11250× D 700× H 1285mm	System configurations	2 cleaning tanks, 1 drying tank and Built-in distiller
Designated cleaner	MICROCLEAN ECO-3002U	Safety features	Flash point >94℃(200F) Halogen-free