MARKLESS ECO-R81U

Rinse agent for electronic circuits and components

MARKLESS ECO-R81U is a designated rinse agent for the MICROCLEAN ECO series, cleaning agent for electronic circuits and components.

■ Features

- **Good rinse and drying ability**
  It is possible to rinse the cleaning agent and flux components even the gaps under the fine parts and dry without leaving stains.
- **Good parts durability**
  MARKLESS ECO-R81U is designed in consideration of the solvent resistance of the parts to be mounted.
- **Good for environment**
  Since MARKLESS ECO-R81U can be distilled, the amount of waste liquid is greatly reduced.
  Also, it is Halogen-free and contains no chlorinated compounds and ozone depleting substances.

■ Characteristics

Specific gravity	0.98(25℃)	pH	Not applicable
Flash point	None	UN Class	Not classified
Boiling point	>100℃	UN Number	Not classified
Solubility to water	Soluble(25℃)	Marine Pollutant	Not applicable
Odor	Solvent odor	RoHS、WEEE	Applicable

■ How to use

Please check the handling precautions, and use the product with full attention to safety.
The recommended usage conditions are as follows.

Cleaning temperature	≦60℃（MICROCLEAN ECO series operating temperature）
Rinse agent concentration	Use as is (Undiluted / Water concentration: about 70wt%)
Rinse temperature	≦35℃
Drying	80-100 ℃ Circulating air (Follow the specifications of the dryer)

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Process	Cleaning	Rinse	Drying
Ultrasonic	MICROCLEAN ECO series	MARKLESS ECO-R81U	Circulating air
Immerse	MICROCLEAN ECO series	MARKLESS ECO-R81U	Circulating air

■ Handling precautions

・No flame is allowed in a handling place. Use adequate ventilation in a working place
・Keep containers tightly closed. Store at a designated place with adequate ventilation. Avoid direct sun light.
・Wear protective gloves/protective clothing/eye protection/face protection.
・When attached to skin, rinse skin with water/shower.
・When ingested, give plenty of water and immediately get medical advices.
・If contained water evaporates, the product may become a dangerous goods. Be sure to control the water concentration.
・Functioning local ventilation is desirable to let vapor go off from work environment.
・Dispose of contents/container to local/regional/national/international regulations.
・If the product is used in a way that generates wastewater, it should be treated to comply with the law before being discharged.
・Please refer to the Material Resistance Table for the effect on resin.

Please refer to SDS (Safety Data Sheet) for more information.

■ Package

17kg UN can

(Please note that specifications are subject to change for improvement.)

■ Remarks

To the best of our knowledge, the information contained herein is accurate. However, we, KAKEN TECH CO., LTD. do not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of the above product is the sole responsibility of the user. The product may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

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