

CHEMTRONICS®

Technical Data Sheet

TDS # 3299

Eco-Rite™ Stencil Cleaner

The eco-friendly stencil cleaner

PRODUCT DESCRIPTION

Eco-Rite™ Stencil Cleaner is an environmentally friendly water based product designed to effectively clean solder paste from stencils. Eco-Rite™ Stencil Cleaner is non-corrosive and biodegradable, and comes available in a convenient ready to use trigger sprayer. The water based cleaning solution cleans stencils of solder paste without the environmental impact of high VOC's, caustic compounds, and butyl-based cleaners.

- Effectively cleans wet and dry solder paste
- Removes misprinted paste
- Non-flammable
- Biodegradable
- No Phosphates, EDTA, or NTA
- Non-caustic, non-acidic, no chlorine bleach, no abrasives
- No carcinogens or ozone depleting compounds
- No petroleum distillates
- No alkylphenolethoxylates
- Butyl-Free

TYPICAL APPLICATIONS

Eco-Rite™ Stencil Cleaner can be used to clean stencils by:

- Underside Wiping
- Ultrasonic Stencil Cleaning
- Spray Cleaning

Eco-Rite™ Stencil Cleaner removes the following paste types:

- Rosin-based (R, RMA, RA)
- No Clean
- Lead-free
- Water soluble
- Lead free adhesives

TYPICAL PRODUCT DATA AND PHYSICAL PROPERTIES

Boiling Point	
RTU	85°C/185°F
Concentrate	96°C/205°F (Initial)
Solubility in Water	100%
Specific Gravity	
RTU	1.00
Concentrate	1.01
Flash Point (TCC)	None
Appearance	Clear Liquid
Odor	Moderate
CARB & OTC VOC Content*:	
RTU	5.0%
Concentrate	25.0%
SQAQMD VOC Content:	
RTU	83 gms/L
Concentrate	415 gms/L
Shelf life	2 years after opening

*Volatile Organic Compound (VOC) information is calculated on a weight basis using the VOC definition of California Air Resources Board (CARB) Consumer Product Regulations, South Coast Air Quality Management District (SQAQMD) Rule 102 and the Federal definition published in 40 CFR 51.100(s).

COMPATIBILITY

Eco-Rite™ Stencil Cleaner is generally compatible with most materials used in printed circuit board fabrication. With any cleaning agent compatibility must be determined on a non-critical area prior to use.

Material	Compatibility
Teflon	Excellent
Graphite	Excellent
LDPE	Excellent
PVC	Good
PEHD	Excellent
Lexan	Excellent
ABS	Good
Noryl	Good
EPDM	Excellent
Butyl	Excellent
Buna N	Excellent
Acrylic	Good
Nylon 66	Excellent

USAGE INSTRUCTIONS:

For industrial use only.

Read MSDS carefully prior to use.

Eco-Rite™ Stencil Cleaner RTU can be sprayed directly from the quart bottle onto uncured solder past. Wipe away soils with a Controlwipes™ Wipe, or a clean, lint-free wipe. Eco-Rite™ Stencil Cleaner concentrate can be full strength for immersion cleaning or diluted to desired concentration. Rinse parts thoroughly in de-ionized water and dry where required.

Dilution ratios for concentrate Water : Conc

Heavy flux residue	2:1
Moderate flux residue / RTU	5:1
General cleaning	10:1

AVAILABILITY

ES3299 1 quart RTU

ES199 1 gallon concentrate

ENVIRONMENTAL IMPACT DATA

HCFC-141b	None	HFC	None
HCFC-225	None	nPB	None

Hydrochlorofluorocarbons (HCFCs) are regulated under the Montreal Protocol as Class II ozone depleting substances. HCFC-141b is no longer produced in the US under this legislation. HCFC-225 is planned for production phase-out in 2015. Hydrofluorocarbons (HFCs) are not currently regulated.

EPA has listed n-propyl bromide (nPB) as an acceptable alternative to ozone depleting substances in metal, precision, and electronics cleaning under Section 612 of the Clean Air Act.

TECHNICAL & APPLICATION ASSISTANCE

ITW Chemtronics® provides a technical hotline to answer your technical and application related questions. The toll free number is: **1-800-TECH-401**.

NOTE:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly.

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