

## EcoFlor™ 44 Cleaner

### Benefits

EcoFlor 44 Cleaner is a powerful solvent product for bench top defluxing and stencil/misprint cleaning. This product eliminates many of the issues associated with isopropyl alcohol (IPA) cleaning including incomplete cleaning, white residue, and low flash point. Used as directed, EcoFlor 44 will also reduce chemical emissions and lower use costs.

### Product Contents

EcoFlor 44 is a unique blend of polar and non-polar organic solvents. This cleaning product does not contain any citrus terpenes, surfactants or solids and will dry residue-free.

EcoFlor 44 is considered low in toxicity, readily biodegradable and contains no halogens or heavy metals.

### Application Guidelines

EcoFlor 44 is used full strength at ambient temperature. Apply by hand or dip (unheated) tank. Use EcoFlor 44 in the following cleaning applications:

<b>Application</b>	<b>Cleaning Function</b>
<b>Rework cleaning</b>	<b>Removes all types of flux residues</b>
<b>Stencil/misprint</b>	<b>Removes solder pastes and uncured SMD adhesives</b>
<b>Post solder assembly or component cleaning</b>	<b>Removes reflowed lead and lead free paste residues</b>
<b>Conformal coating</b>	<b>Removes silicone and acrylic conformal coatings</b>
<b>Pallets, Fixtures, Wave Solder Fingers</b>	<b>Removes baked –on flux residues (soaking may be necessary)</b>

Drying Tips – Follow cleaning with a clean wipe or desiccated forced air.

EcoFlor 44 can also be mixed with IPA for quicker drying and reduced citrus odor. Add 25% IPA to 75% EcoFlor 44 for optimal mix ratio.

For manual cleaning applications requiring greater non-polar solvency, CitraFlor EG or CitraFlor EG3 are recommended.

## Environmental & Regulatory Status

Global Warming Potential (GWP)	Zero
Ozone Depletion Potential (ODP)	Zero
RoHS Compliant	Yes
US Hazardous Air Pollutant (HAP)	No
US Nat'l Emission Standards for Hazardous Air Pollutants (NESHAPs)	Not Regulated
US Resource Conservation and Recovery Act (RCRA)	Not Regulated
US Significant New Alternatives Program (SNAP)	Approved
US Superfund Amendments and Reauthorization Act (SARA)	Not Regulated
VOC Content (concentrate)	~800 g/l

## HMIS Comparison

	HMIS Ratings			Flash Point
	Health	Flammability	Reactivity	(Closed Cup)
CitraFlor EG	1	2	0	120° F (49°C)
CitraFlor EG3	1	2	0	105°F (41°C)
<b>EcoFlor 44</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>105°F (41°C)</b>
Isopropyl alcohol	2	3	0	53° F (12°C)

## Compatibility

EcoFlor 44 is compatible with most materials of construction in circuit assembly and semiconductor packaging. The product is safe on common metal alloys including aluminum. The product is also compatible with certain plastics and composite materials during short exposure times.

## Packaging, Handling, and Storage

EcoFlor 44 is available in 55 gallon (163kg net) drums and 5 gallon (14kg net) pails.

Nitrile gloves and safety glasses are recommended when handling.

Store EcoFlor 44 inside under ambient conditions. Shelf life is indefinite however quality should be checked after 36 months in unopened, original containers. This product is rated as a Class II Combustible Liquid by US NFPA and OSHA.

## Disposal

Contact your local waste management company regarding suitable disposal methods for waste material. Fuel blending is recommended for waste concentrate.

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