



CitraFlor EG100 Solvent

Benefits

CitraFlor™ EG100 is new citrus terpene solvent blend for electronics assembly and component cleaning . This product quickly cleans many types of rosin, no clean and lead-free solder flux residues and is suitable for commercially available dip tanks and specialized cleaning equipment. Used as directed, CitraFlor EG100 will improve rinsing, odor and use costs over other leading terpene-based defluxers.

Product Contents

One of CitraFlor EG100’s key ingredients, refined citrus terpenes, is derived from Florachem’s proprietary citrus oil refining process. CitraFlor EG100 is considered low in toxicity, readily biodegradable and contains no halogens or heavy metals.

Performance Properties

Appearance	Clear to pale yellow
Specific Gravity	0.85
Solubility in Water	Rinsible
Purity, Citrus Terpenes	>98%
Flash Point	115°F (49C) min
Vapor Pressure	<2mmHg@ 20C
Evaporate Rate (Butyl Acetate=1)	<1

Recommended Process Parameters

Process Cycle	Temperature
Concentrated Wash	75°-105°F
Heated/Agitated Water Rinse	110°-130° F
Final Dry	Heated, forced Air

Application

Use CitraFlor EG100 in the following cleaning applications:

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

CitraFlor EG100 can be used full strength or diluted to 25% in water for emulsion cleaning. The product works best when used in approved cleaning equipment such as the AAT Aquatherm 9201 or Speedline Accel cleaning systems.

CitraFlor EG100 wash step is followed by agitated water rinsing and heated/forced air dry.

CitraFlor EG100 is also an excellent solvent for stencil/misprint cleaning operations. For hand wipe cleaning applications without water rinsing, use CitraFlor EG3 or CitraFlor EGS.

Compatibility

CitraFlor EG100 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 composite materials during short exposure times.

Handling and Storage

CitraFlor EG100 is available in 55 gallon (177kg/390lb) drums and 5 gallon(15kg/33lb) pails.

CitraFlor EG100 must be shipped according to IATA, US DOT and IMO transport standards (see MSDS/GHS for details).

In the USA, CitraFlor EG100 is classified as a “Class II Combustible Liquid” by NFPA standards. Shelf life is indefinite however quality should be checked after 36 months in unopened original containers.

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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