

Bioact[®] EC7M

Precision Cleaning, Fast, Safe and Naturally



Bioact[®] EC7M has been satisfying customers for nearly two decades as an environmentally-friendly circuit cleaner

- **Industry's Leading Cleaner, Based on Natural Citrus Solvents**
- **Powerful, Versatile & Safe Cleaning**
- **Great on Fluxes, Coatings and Glues**
- **All Natural and Environmentally Benign**
- **Proven Results with Long-Term Availability**

General Information

Bioact[®] EC7M is a powerful cleaner based upon natural, biodegradable citrus terpenes produced from oranges. As a room-temperature defluxer, this is a highly cost-effective and environmentally benign choice.

About the Product

Bioact EC7M is a powerful, heavy-duty defluxer and degreaser. It is the only benchtop terpene formulation made without surfactants which means it is the only citrus cleaner which never requires a rinse.

Importantly, citrus-based Bioact also avoids the flammability risks inherent in using old-style pine terpenes near white metals such as aluminum.

Citrus terpenes are best known for their exceptional cleaning power. This product delivers great cleaning on all types of fluxes, pastes, inks, oils and grease. It removes both ionic and organic contamination. The cleaner can be used on PCBs, FR-4, components, connectors, cables and mechanical assemblies. Bioact also is very effective on many conformal coatings. Lastly, it dissolves many adhesives, except for cured epoxies and cyanoacrylates.

Bioact[®] EC7M dries relatively slowly, minimizing solvent waste. It has a citrus aroma which is natural and generally non-toxic, but requires good ventilation. Avoid prolonged skin contact to avoid localized, temporary skin irritation. Test before using Bioact EC7M on soft plastics.

Environmentally, Bioact EC7M is made from renewable resources and is ozone-safe. Extremely aggressive, it is a superior and cost-effective choice.



Technical Details

Chemical Family	Terpene Hydrocarbon
Appearance	Clear, free-flowing liquid
Aroma	Citrus
Boiling Point	169°C / 340°F

Solvency & Cleaning Data

Cleaning Strength (K _b)	67
Specific Gravity (@ 25°C)	0.84
Surface Tension (dynes/cm)	33
Viscosity (cps)	0.8

Health, Safety & Environmental Data

Toxicity Rating (ppm, 8-hr TWA, PEL)	None (GRAS)
Flashpoint (Tag Closed Cup)	47°C / 117°F
Safety Rating	Combustible
NFPA	Health: 1; Fire: 2; Reactivity: 0
Ozone Impact	None
Organic Content (g/L)	890
RoHS and WEEE Compliant	Yes
SNAP Approved	Yes

Material Compatibility (Partial Listing):

Little or No Effect: Glass, Paper, Polyethylene, Cardboard, Metals, Polypropylene, Teflon[®], Polyallomer, Acetates, Tefzel[®], Polysulfone
 Moderate Effect: Polycarbonates, PVC, Low-Density Polyethylene
 Not Recommended: Polymethylpentene, Polystyrene, Rubber, Silicones, Viton[®]

Packaging

Aerosol	10 oz./284 g	MCC-EC7M
Minipail	6 lbs./2.72 kg	MCC-EC7MG
Pail	35 lbs./15.9 kg	MCC-EC7MP
Drum	385 lbs./174.7 kg	MCC-EC7MD

The aerosol products are packaged 12 cans/case. The shelf life for all these products is unlimited.

Related Products

MicroCare strongly recommends the Trigger Grip[™] dispenser, #MCC-ESD, with our aerosol cleaners because it speeds cleaning and reduces solvent waste. For plastic-safe cleaning, **VeriClean[™]** is a fast-drying choice.

Product Notes

AVAILABILITY. This product is available from MicroCare distributors world-wide. Contact your local distributor at www.MicroCare.com for details.

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