

MEGASOLV™* JB Defluxing Solution

DESCRIPTION

MEGASOLV JB is a homogeneous, thermodynamically stable solvent blend with outstanding solubility and surface tension properties. MEGASOLV JB offers a new and effective alternative to ozone depleting solvents. In fact, it presents exceptional process advantages for room temperature cleaning of electronic assemblies.

The product is ideal for use in the Austin American Technology Mega I and Mega II Cleaners. As a result of its dual polar and non-polar chemical nature, MEGASOLV JB exhibits outstanding solubility for a wide range of soils, greases, fluxes, and salts.

PHYSICAL PROPERTIES

Boiling Point	289°F (143°C)
Evaporation Rate	0.25 (Butyl Acetate=1)
Flash Point (PMCC)	116°F (47°C)
Solubility in water	14%
Specific Gravity @ 25°C	0.94
Stability	Stable
Vapor Specific Gravity	4.42 (Air =1 at 60-90°F or 16°C-32°C)
Vapor Pressure @ 20°C	>3 mm Hg
Viscosity @ 32°C	1.9 cps

ENVIRONMENTAL AND REGULATORY

Ozone Depletion Potential (ODP)	Zero
Global Warming Potential (GWP)	Zero
Significant New Alternatives Program (SNAP)	Approved
Hazardous Air Pollutants (HAP)	None
National Emission Standards for Hazardous Air Pollutants (NESHAP)	Not regulated
Superfund Amendments and Reauthorization Act (SARA)	Not regulated
Resource Conservation and Recovery Act (RCRA)	Not regulated

APPLICATIONS

MEGASOLV JB was originally designed for the removal of *rosin flux contaminants* from printed board surfaces and other electronic assemblies by immersion at room temperature. Further research has shown that MEGASOLV JB exhibits optimal cleaning results in *a variety of clean room applications* including *disc drive heads, BGAs, etc.* In addition, MEGASOLV JB can be effectively used for the removal of *misprinted solder paste, misprinted SMD adhesives* and for *stencil cleaning*.

* MEGASOLV is a trademark of Austin American Technology Corporation

MATERIALS COMPATIBILITY

MEGASOLV JB presents excellent material compatibility with most epoxies, solder masks, metals and plastics used in electronic assemblies. MEGASOLV JB can be, therefore, characterized as an aggressive agent for surface contamination removal, yet a chemically mild solvent compatible with most electronics materials.

DISPOSAL

Petroferm recommends contacting your current or local environmental service company for disposal of MEGASOLV JB concentrate via fuel blending. This method has proven to be the easiest, most cost effective way to dispose of waste Petroferm cleaning agents. Disposal options available may include treatment of waste in the existing facility. For assistance in finding suitable environmental services, please contact your Petroferm representative.

PACKAGING

MEGASOLV JB is available in 5-gallon pails and 55-gallon drums. Samples are available in one-quart containers.

SHIPPING

Please refer to the Material Safety Data Sheet for shipping information.

STORAGE

MEGASOLV JB should be stored in the original container, preferably in a cool, ventilated, fire-resistant building.

SHELF LIFE

The shelf life for this product is indefinite when it is stored in its original, sealed container at room temperature. However, the product should be inspected after the designated date on the product label (twenty-four months from the date of manufacture) prior to customer use.

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