

MicroCare™
ENGINEERED FLUIDS

72DA

Specialty Cleaning Fluid, Flux Remover and Degreaser

Use for medium to heavy-duty degreasing and defluxing.

- Removes rosin solder flux residues, greases, oils, and waxes
- Ideal replacement for Novec™ 72DA
- Replaces CFCs, HCFCs, HFCs, nPB and chlorinated solvents

Introduction

MicroCare™ 72DA Engineered Fluid is a specialized solvent blend designed for high-performance degreasing and defluxing in electronics and precision cleaning applications. Ideal for use in vapor degreasing systems to remove rosin solder flux residues, oils, greases, and waxes.

Benefits

- High solvency power for removing rosin solder flux residues, oils, greases, and waxes.
- Azeotropic blend maintains consistent composition during evaporation and extended use in vapor degreasers.
- Low surface tension enhances penetration into tight spaces for thorough cleaning.
- Evaporates quickly, leaving minimal residue.
- Listed as “acceptable” without restrictions under the EPA’s Significant New Alternatives Policy (SNAP) program.

Use Procedures

It is recommended that MicroCare™ 72DA Engineered Fluid be used in a vapor degreaser or closed-loop system to maximize cleaning efficiency, economy, and emission control. Cleaning procedures for MicroCare™ 72DA are like those of conventional vapor degreasing products. The procedures consist of immersing a workload into the vapor or boiling solvent, rinsing with solvent, and then drying in the solvent vapor.

Recovery

MicroCare™ 72DA Engineered Fluid is an azeotropic fluid recoverable by simple distillation, either by using a vapor degreaser or a simple still apparatus, reducing waste and operational costs.

Recovery should be closely watched to ensure that the operating levels are maintained. Spent ingredients and still bottoms need to be disposed of according to Federal, State, and local regulations.



Replacements for
3M™ Novec™
Engineered Fluids

We offer chemically equivalent fluid formulas for the ones you already rely on, delivering the same high-quality cleaning performance without costly operational changes.

Our products meet or exceed 3M Novec™ performance standards, and as a leading supplier of high-purity HFEs, we ensure they pass the industry’s most stringent quality metrics.

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Applications

- Removes flux residues from circuit boards and electronic components.
- Cleans oils, greases, and waxes from metal and plastic surfaces.
- Helps with rapid drying of components.
- Used as a final rinse in multi-step cleaning processes.

Specifications

Property	MicroCare™ 72DA	n-PB	TCE	Vertrel™ SFR	Vertrel™ SMT	Tergo™ SFR	Tergo™ GCF
BP (C)	44	71	87	41	37	47	42
KB value	58	125	129	101	38	128	38
Specific Gravity	1.27	1.35	1.46	1.28	1.37	1.23	1.35
Surface Tension (dyne/cm)	18	25.9	29.3	19.9	15.5	20	18
GWP	43	16	630	264	689	32	274
Plastic Compatibility	Poor	Poor	Poor	Poor	Poor	Poor	Fair

Environmental Health and Safety

Properties	MicroCare™ 72DA Engineered Fluid
Ozone Depletion Potential-ODP ¹	0.00
Global Warming Potential ²	43
Flash Point	None

¹ CFC-11=1.0

² IPCC Report, 2001

Storage and Handling

Before using this product, read carefully and follow all precautions and directions provided on the product label and on the Safety Data Sheet (SDS).

MicroCare™ 72DA Engineered Fluid is nonflammable and highly resistant to thermal breakdown and hydrolysis during storage and use. It is thermally and hydrolytically stable, keeping integrity under normal storage conditions without oxidation or degradation. To ensure the best performance, store containers in a clean, dry area away from direct sunlight, with a recommended storage temperature not exceeding 30°C.

For detailed handling and safety recommendations, refer to the SDS, available from your local representative or online at microcare.com.



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