

Version Number: 02

Revision Date: 8/12/2026

Keyvex™ 72DA

Keyvex™ 72DA is a high-performance precision cleaning fluid formulated from trans-1,2-dichloroethylene (trans-DCE), proprietary fluorinated ethers, and isopropyl alcohol. The formulation provides excellent cleaning performance for removing a broad range of contaminants while delivering fast drying, low surface tension, and compatibility with many sensitive materials. It is designed as a replacement for CFCs, HCFCs, HFCs, nPB and chlorinated solvents. Keyvex™ 72DA effectively removes oils, greases, lubricants, flux residues, particulates, and other processing contaminants from complex assemblies.

Key Performance Characteristics

- Azeotropic solvent blend
- Compatible with a wide range of materials
- Non-conductive
- Low toxicity makes it safe for workers and the environment
- Low surface tension allows it to penetrate tight spaces for thorough cleaning

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.
- Removal of ionic contaminants

Industries Served

- Aerospace
- Electronic
- Medical
- Optical
- Semiconductor

Physical and Chemical Properties

Appearance	Colorless, transparent liquid
Density (25°C), g/mL	1.27
Boiling Point, °C	44
Freezing Point, °C	-38
KB Value	58
Latent Heat of Vaporization, kJ/kg	251.2
Kinematic Viscosity (25°C), mm ² /s	0.3150
Vapor Pressure (25°C), mmHg	360
Surface Tension (25°C), dynes/cm	18

Environmental & Regulatory Status

- Ozone Depletion Potential (ODP): 0
- Global Warming Potential (GWP): 43
- No flash point

Materials Compatibility

Metals	Aluminum, Brass, Bronze, Carbon Steel, Copper, Gold, Nickel, Silver, Stainless Steel, Tin, Titanium, Zinc
Plastics	PC, PA, PTFE, PEEK, Epoxy, PI, PE, PP, POM, PET
Elastomers	FKM, FFKM, PTFE Test Before Use: Silicone Rubber, EPDM, NBR, CR, PU, Butyl Rubber

Glass & Ceramics

Alumina, Zirconia, Quartz, Borosilicate Glass, Soda-Lime Glass, Sapphire, Technical Ceramics

Process Guidance

Recommended use	Recommended for use in vapor degreasing, immersion cleaning, ultrasonic cleaning, and rinse cleaning systems designed for fluorinated solvents.
Equipment	Use clean, dry equipment constructed from compatible materials.
Operating range	Operate at the solvent's boiling point with a stable vapor zone.
Condensation	Maintain effective cooling for efficient condensation and solvent recovery.
Ventilation	Use with adequate ventilation or local exhaust.
Drag-Out Control	Allow parts to drain before removal to minimize solvent loss.
Water Control	Minimize water contamination and remove accumulated moisture regularly.
Distillation	Periodically distill solvent to maintain cleaning performance.
Monitoring	Monitor solvent purity and replace or reclaim when contaminated.

Waste Disposal

Dispose of waste product in accordance with applicable regulations. Do not release into the environment. Recover or recycle the product whenever practical. Refer to the SDS for detailed disposal guidance.

Storage Handling & Shelf Life

- Stored in a clean, dry warehouse, away from heat sources, acids, strong alkalis, and oxidants, and protect from high temperature or direct sunlight.
- This product is a colorless and transparent liquid. Avoid violent vibration during transportation and do not store upside down when stacking.
- This product is volatile. Ensure containers are tightly sealed during storage and transportation.
- Shelf life: 24 months

Packaging

20 L/pail (25kgs) or 200L/drum (250 kgs)

Safety Statement

This document is not a Safety Data Sheet. Before handling, storage, transport, or disposal, users should review the latest Safety Data Sheet and conduct a workplace risk assessment according to local regulations.

Although no closed-cup flash point is reported, vapors may form a flammable mixture under certain conditions and in the presence of high-energy ignition sources. Use only with suitable vapor control, ventilation, and equipment grounding.

Limitation/Validation Statement

The information provided represents typical values and should not be treated as product specifications unless expressly stated. Suitability for a specific application should be confirmed by customer testing under actual operating conditions.