

Technical Data Sheet

Introducing A3!

LssChem A3 is an azeotrope-like mixture of Trans-1,2-dichloroethylene (t-DCE) and a low GWP, non-flammable Hydrofluoroether (HFE). It has a low boiling-point, is fast-drying and does not have a flash-point making it ideal for room-temperature applications that require immersion cleaning in ultrasonic baths.

LssChem A3 has excellent chemical solvency making it an ideal aerosol fluid for targeted cleaning of parts with added pressure. It's compatible with all metals, non-metals, elastomers, and composites. Acrylic and ABS plastic parts should be tested further.

Typical Applications:

- Carrier fluid for coating of parts with soluble plastics, rubber (PIB) and resins.
- Excellent solvent for aerosol formulations
- Preventive maintenance of grease, oils, gunk and industrial equipment such as motors, gears and generators.
- Final cleaning of hermetically sealed composite assemblies in avionics

Environmental & Safety Benefits

Low GWP (Atm. Life =0.8 yrs)

Non-ozone depleting (ODP=0)

Non-Flammable (Open Cup Flash Point =None)

Non-Hazardous, Non-toxic

Safe replacement for nPB & TCE

Physical Properties

	LssChem A3	3M Novec 71D90	nPB
Boiling Point (oC)	39.8	42.6	71
Density (g/ml)	1.28	1.28	1.35
Viscosity (cP)	0.49	0.40	0.49
Surface Tension (dyne/cm)	18.4	21.1	25.9
Vapor Pressure at 25 C (kPa)	47	51.7	20.3
Heat of Vaporization at bp (cal/gm)	61.2	64.0	58.8
Kb Value	100	100	120

Performance Features:

- High Chemical Solvency for oil, grease, and silicone fluid
- Chemically stable and non-reactive
- Very low water solubility (will not go acid)
- Excellent for Precision Cleaning (Wetting Index =142)
- Compatible with most plastics (except acrylic, ABS), all elastomers, and metal-alloys and non-metals

Packaging & Storage:

Store product indoors in a cool dry place away from direct sunlight. Package size available are:

- 55-gallon phenolic lined metal drums (net wt. 550 lb.)
- 5-gallon phenolic lined pails (net wt. 55 lb.)
- 1-gallon amber glass bottles (net wt. 11 lb.)

Product is stored and shipped from Cleveland, OH with 2-3 business day lead time