

Technical Data Sheet

Introducing N3!

LssChem N3 is a solvent blend for vapor-degreasing that does not contain volatile organic compounds (non-VOC) as defined by the SCAQMD of California. Volatile Organic Compounds such as chlorinated and brominated solvents (TCE, nPB, and trans-DCE), alcohols, and hydrocarbons are responsible for atmospheric smog which can worsen respiratory illnesses. This solvent is a Clean Air Solvent as defined by SCAQMD.

LssChem N3 is a non-flammable, non-hazardous and non-toxic blend suitable for vapor-degreasing as well as cold immersion cleaning such as for ultrasonic cleaning. It's compatible with all metals, non-metals, elastomers, plastics, and composites.

Typical Applications:

- Used in geographic areas where Trans-DCE based blends are prohibited
- Well suited for aerosol formulations
- Precision-cleaning of intricate machined and parts with complex geometry
- Final cleaning of hermetically sealed composite assemblies in avionics

Environmental & Safety Benefits

Free of Volatile Organic Compounds (VOC=0 g/l)

Low GWP (Atm. Life =3.9 yrs)

Non-ozone depleting (ODP=0)

Non-Flammable (Open Cup Flash Point =None)

Safe replacement for nPB, TCE etc

Physical Properties

	LssChem N3	3M Novec HFE-7100	Chemours Vertrel XF
Boiling Point (oC)	59-62	61	55
Density (g/ml)	1.35	1.50	1.58
Surface Tension (dyne/cm)	18.4	13.6	14.1
Viscosity (cP)	0.50	0.60	0.67
Vapor Pressure at 25 C (kPa)	34	27.9	30.1
Global Warming Potential	410	320	1300
Atmospheric Lifetime (years)	3.9	4.1	17.1
Kb Value	25	11	10

Performance Features:

- Excellent for vapor-degreasing to remove particulates, finger-prints and light oils
- Chemically stable and non-reactive
- Very low water solubility (will not go acid)

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