

Plan Your Switch to Opteon™ SF80 Now

a nPB and TCE phaseout is on its way in the United States

Federal laws regarding the use of nPB and TCE as vapor degreasing cleaners are regulated in the United States by the EPA (Environmental Protection Agency) and OSHA (Occupational Safety and Health Administration). They recognize nPB (n-Propyl Bromide) and TCE (Trichloroethylene) as hazardous air pollutants and risks to worker safety. Opteon™ SF80 Specialty Fluid is a better, more sustainable option for green cleaning in your facility. It is safer for workers and better for the environment. Don't wait, make the transition to a safer solvent today.

2023?

It's unclear when a complete nPB or TCE ban will happen in the US, but many experts agree, the phaseout is definite and coming soon. It may be as soon as 2023. Plan your transition to the safer Opteon™ SF80 Specialty vapor degreasing fluid now.



2022

nPB restrictions in Canada and some countries in the Far East are expected to happen.



2020

The EPA announces nPB and TCE present an unreasonable risk to human health when used as a cleaner inside all vapor degreasers including open-top, in-line and closed-loop models. nPB sunsets in Europe as of July 2020. It is banned and listed as an air toxic.



2019

Chemours introduces Opteon™ SF80 Specialty Fluid as an nPB and TCE replacement. Based on HFO (hydrofluoro-olefin) technology, it has a negligible ozone depletion potential (ODP) and a low global warming potential (GWP) of <2.5. It also contains no fluorinated greenhouse gases.¹



2018

The EPA moves nPB and TCE to the top of its hazardous cleaning solvents list.



2016

TCE sunsets in the United Kingdom as of April, 2016. It is classified as a carcinogen and is only used with special authorization.



2014

Due to worker safety concerns, the ACGIH lowers the nPB PEL (Personal Exposure Limit) from 10 to 0.1 ppm (parts per million).



**1990s-
2000s**

nPB, also known as bromopropane 1, and TCE are widely used as vapor degreaser cleaners. They replaced ozone depleting Freon and 1-1-1 Trichloroethane.



[1] As listed in Annex 1 of the EU regulations 517/204

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