



NovecTM
Brand

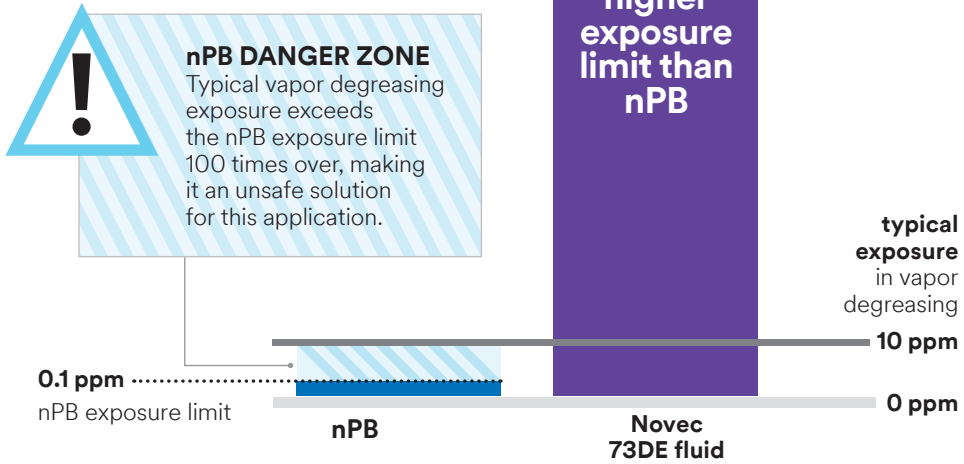
3MTM NovecTM 73DE Engineered Fluid

Put safety first.

Are you still using n-propyl bromide (nPB) for vapor degreasing? Learn why you should switch to 3MTM NovecTM 73DE Engineered Fluid – a smart, safe and sustainable alternative.

nPB is unsafe for typical vapor degreasing applications

Typical worker exposure during vapor degreasing exceeds nPB's exposure limit, unless potentially costly facility upgrades and personal safety equipment are implemented.



*The 195 ppm value is the molar weighted average of the component 8-hr threshold limit values.

Time is running out for nPB

Intensifying regulatory pressure due to safety concerns means nPB is increasingly targeted for phase-down, and the day it is no longer available may come sooner than you think.

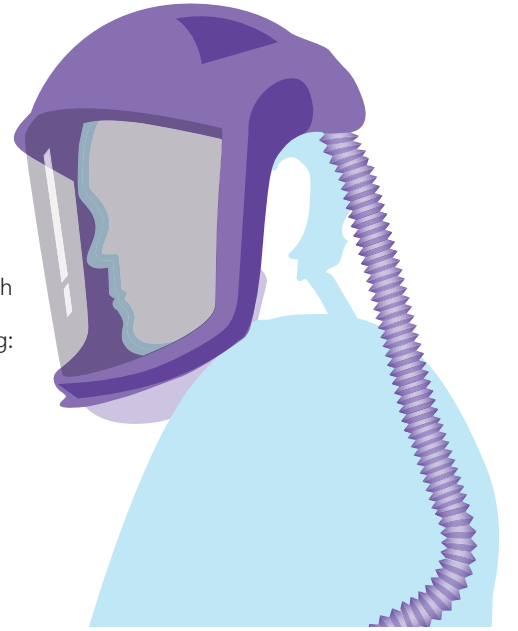
	Novec 73DE fluid	nPB
Subject to phase-out in the European Union	No	Yes, in 2020
Use reporting required by U.S. Environmental Protection Agency (EPA)	No	Yes
Under U.S. Department of Defense (DoD) advisory	No	Yes
OSHA/NIOSH Hazard Alert issued	No	Yes

nPB shows acute health risks

It is especially hazardous to women of childbearing age due to the potential to cause adverse developmental effects.

Additionally, non-cancer and cancer health risks were identified for workers with repeated and chronic exposures, including:

- ▶ Neurotoxicity
- ▶ Kidney toxicity
- ▶ Liver toxicity
- ▶ Reproductive toxicity
- ▶ Lung cancer



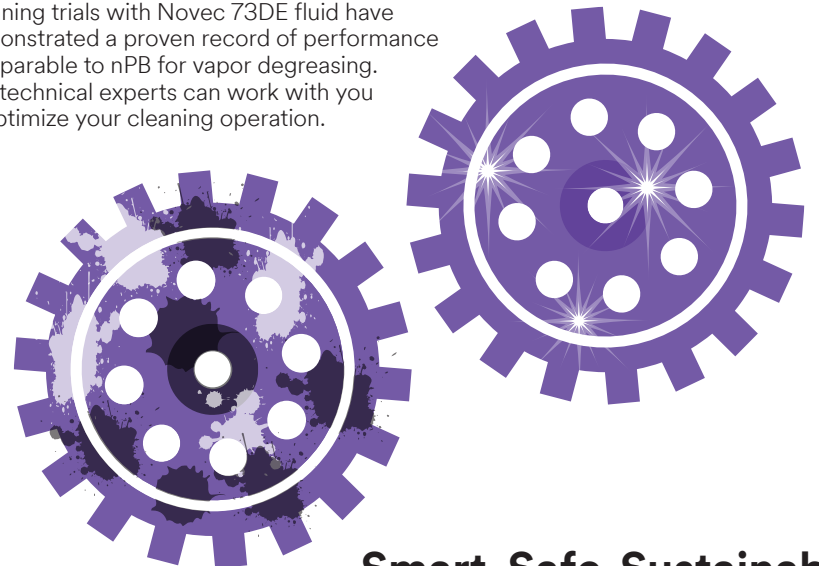
Typical nPB vapor degreasing exposures necessitate use of engineering controls or use of either (1) a full facepiece, helmet or hood supplied air respirator or (2) a powered air purifying respirator (PAPR) to help protect workers.

Stable Novec fluid won't "go acid" like nPB

Without maintenance and regular addition of stabilizers, nPB can degrade and become acidic over time, leading to expensive repairs and rework. Novec 73DE fluid is inherently more stable and doesn't require regular stabilizer maintenance or acid acceptance testing.

Proven cleaning performance

Cleaning trials with Novec 73DE fluid have demonstrated a proven record of performance comparable to nPB for vapor degreasing. Our technical experts can work with you to optimize your cleaning operation.



Smart. Safe. Sustainable.



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