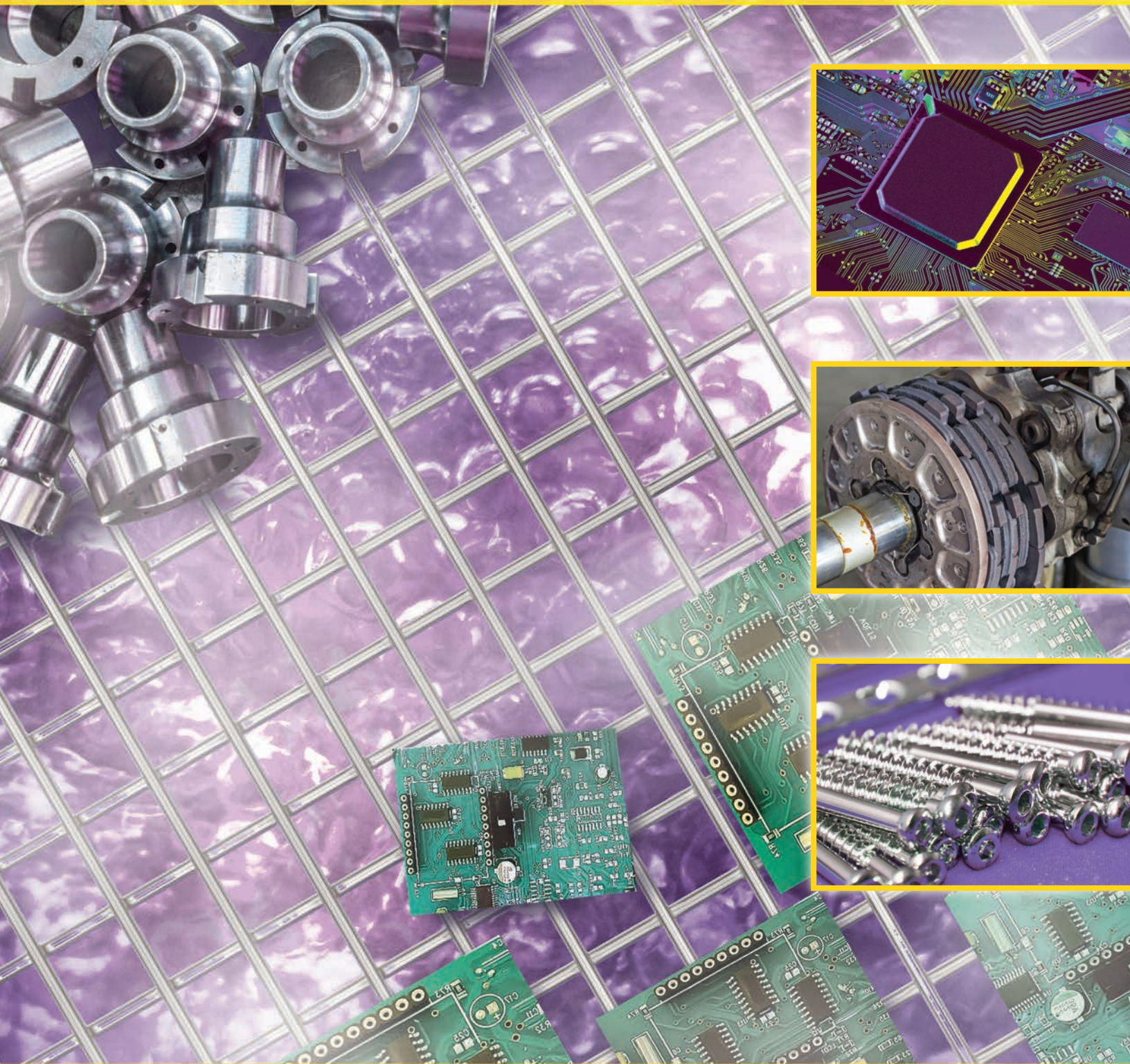




TECHSPRAY®

VAPOR DEGREASER & ULTRASONIC SOLVENTS



www.techspray.com



Vapor Degreaser Solvents



Techspray offers a wide variety of vapor degreaser formulas engineered to meet challenging requirements like cleanliness specifications, difficult-to-clean soils, solvent-sensitive materials, and restrictive regulations.

All Techspray solvents have azeotropic properties that allow them to remain stable as they are cycled in a vapor degreaser. They are not reactive or corrosive to metals commonly found in the construction of vapor degreasers.

PWR-4™ solvents are designed to replace nPB, TCE and Perc, matching and surpassing cleaning performance without the safety concerns.

Precision-V™ vapor degreaser solvents are ideal replacements for AK-225 based cleaners, which were phased out due to the ozone depletion restrictions of the Montreal Protocol.



Industrial Maintenance Cleaner

Heavy-duty, cost effective degreaser

- Nonflammable
- Safer replacement for nPB, TCE & other toxic solvents
- Effective on heavy greases, oils & waxy corrosion inhibitors
- For vapor degreasing, ultrasonic & immersion cleaning

3400-G	1 gal. (3.8L) can
3400-5G	5 gal. (19L) pail
3400-54G	54 gal. (205L) drum



Flux Remover

Heavy-duty, cost effective flux remover

- Nonflammable
- Safer replacement for nPB, TCE & other toxic solvents
- Effective on rosin, RMA, no-clean & lead-free fluxes
- For vapor degreasing, ultrasonic & immersion cleaning

3401-G	1 gal. (3.8L) pail
3401-5G	5 gal. (19L) pail
3401-54G	54 gal. (205L) drum



VC-1200 Vapor Degreaser Parts Cleaner

Powerful, high precision solvent

- Nonflammable
- Ozone-safe replacement for AK-225
- Effective on cutting fluids, heavy greases & oils

1654-G	1 gal. (3.8L) pail
1654-5G	5 gal. (19L) pail
1654-54G	54 gal. (205L) drum



VC-1500 Vapor Degreaser Flux Remover

Powerful, high precision defluxer

- Nonflammable
- Ozone-safe replacement for AK-225
- Effective on rosin, RMA, no-clean & lead-free fluxes

1655-G	1 gal. (3.8L) pail
1655-5G	5 gal. (19L) pail
1655-54G	54 gal. (205L) drum



VC-1600 Vapor Degreaser Solvent

Powerful solvent for degreasing & defluxing

- Nonflammable
- Ozone-safe replacement for AK-225
- Effective on fluxes, heavy greases, oils & waxy corrosion inhibitors
- Safe on most plastics

1656-G	1 gal. (3.8L) pail
1656-5G	5 gal. (19L) pail
1656-54G	54 gal. (205L) drum



ME-1500 Vapor Degreaser Solvent

Powerful, high precision solvent for degreasing & defluxing

- Nonflammable
- Ozone-safe replacement for AK-225
- Effective on fluxes, heavy greases, oils & waxy corrosion inhibitors
- Safe on most plastics
- Low global warming potential (GWP)

1686-G	1 gal. (3.8L) pail
1686-5G	5 gal. (19L) pail
1686-54G	54 gal. (205L) drum



AE-1000 Vapor Degreaser Solvent

Specialty solvent for removing fluorinated contamination

- Nonflammable
- Neat 1-component solvent
- Ozone-safe replacement for neat AK-225
- High purity for critical applications
- Effective on fluoropolymers and fluorinated oils and greases
- Safe even on sensitive plastics
- Low VOC

1680-G	1 gal. (3.8L) pail
1680-5G	5 gal. (19L) pail
1680-54G	54 gal. (205L) drum



AE-1400 Vapor Degreaser Solvent

Specialty solvent for removing fluorinated contamination

- Nonflammable
- Alcohol added for extra solvency
- Ozone-safe replacement for neat AK-225
- High purity for critical applications
- Effective on fluoropolymers and fluorinated oils and greases
- Safe even on sensitive plastics
- Low VOC

1681-G	1 gal. (3.8L) pail
1681-5G	5 gal. (19L) pail
1681-54G	54 gal. (205L) drum

Vapor Degreaser Selection Guide

Part #	Product Name	Base Material	kB value	Boiling Point (°F/°C)	EPA VOC (wt %)	CARB VOC (wt %)	SCAQMD VOC (g/l)	GWP	Degreasing	Defluxing	Plastic-Safe	Cleaning Performance
3400	PWR4 Maint Clnr	HFE	100	118/48	95	100	1206	ND	●			Strongest
3401	PWR4 Flux Remvr	HFE	100	118/48	95	100	1206	ND		●		
1656	VC-1600	HFC	100	106/41	67	100	863	264	●	●	✱	
1686	ME-1500	HFE	58	104/40	69	83	874	43	●	●	✱	
1654	VC-1200	HFC	62	94/34	41	100	552	684	●		✱	Most Plastic-Safe
1655	VC-1500	HFC	56	90/32	43	100	562	663		●	✱	
1680	AE-1000	HFE	~0	133/56	0	100	0	540	●		●	
1681	AE-1400	HFE	~0	139/54	1	100	14	540	●	●	●	

*Test First

SAFER REPLACEMENTS FOR TOXIC INDUSTRIAL SOLVENTS

n-Propyl Bromide (nPB), Trichloroethylene (TCE), and Perchloroethylene (Perc) are three examples of harmful chemicals that are commonly used in aerosol cleaners for industrial applications. These chemicals have been popular because they are nonflammable, have high solvency, and are relatively inexpensive.

Because of safety concerns, these solvents are under close scrutiny by OSHA, EPA, and local agencies. For example, The American Conference of Governmental Industrial Hygienists (ACGIH) recommends a 10 ppm time-weighted average threshold limit of nPB, but has proposed a lower 0.1 ppm (ACGIH 2013). That's because nPB is a suspected human carcinogen, and has shown to negatively impact neurological and reproductive functioning.

Techspray offers effective replacements for these toxic solvents. PWR-4® High Performance Solvents provides all the cleaning power of nPB and other industrial solvents, but without the health risks.

For more information, read "Toxic Chemicals Used for Industrial Cleaning" white paper at www.techspray.com

