

NEW

DECICIO

CLEANER!

ENGINEERED FOR PERFECTION

- Non-Ozone Depleting
- Non-Flamable
- Plastic-Safe Formula
- Low-VDC Formula



Optical Cleaning



Critical Electronics & Surfaces



Aviation/Aerospace







MAINTENANCE CLEANER



- NON-FLAMMABLE
- IDEAL FOR ELECTRONIC & CONTACT CLEANING
- LOW VOC
- NON-OZONE DEPLETING

1650-165 Net Wt.: 454 grams. (16 wt. oz.) Approx. Volume 368 ml

WARNING/AVERTISSEMENT

CONTENTS UNDER PRESSURE. CONTAINER
MAY EXPLODE IF HEATED.
CONTENU SOUS PRESSION. CE CONTENANT
PEUT EXPLOSER S'IL EST CHAUFFE.

RoHS Compliant

NON-FLAMMABLE

TEGHSPRAY

- IDEAL FOR LEAD-FRE
- SAFE ON PLASTICE & COMPONENTS
- NON-OZONE DEPLET

1653-165 454 grams. (16 wt. oz.) Approx. Vo

RNING/AVERTISSEME TENTS UNDER PRESSURE. CONTE MAY EXPLODE IF HEATED. TENU SOUS PRESSION: CE CONTE PEUT EXPLOSER S'IL EST CHAUFF

RoHS Compliant





INTRODUCING

DECICION

High Performance, High **Precision Cleaning Solvents**

- Non-Flammable
- Low VOC
- Safe on Most Plastics
- **Rapid Evaporation**
- Residue-Free
- **Non-Ozone Depleting**



Precision-V formulas available for vapor-degreasing, cold cleaning and aerosol.

Techspray has engineered solvent cleaners that offer exciting new options for precision cleaning. Precision-V cleaners are powerful, leave no residue, and evaporate extremely fast. Electronics, optics, and metal parts are quickly and thoroughly cleaned, eliminating the need for further rinsing.

Precision-V is non-ozone depleting, so ideal replacement for cleaners containing CFC 113, HFC-141b and AK225.

Exposure to Precision-V solvents is less hazardous than many other solvents commonly used in vapor-degreasers: e.g. TCE (Trichlororethylene, CAS #79-01-6), nPB (n-Propyl Bromide, CAS #106-94-5), and Perc (Perchloroethylene, CAS #127-18-4).

Maintenance Cleaners remove oils, greases, silicones and other common industrial contaminants. Flux Removers clean R, RA, RMA and SA type flux residues after high temperature reflow, wave and hand-soldering. Ideal for lead and lead-free processes.

PRECISION

Low VOC Formulas

Formulated to reduce VOC emissions within your facility. Ideal for aviation and other applications where strict VOC caps apply (based on EPA VOC exemptions). Bulk chemicals ideal for cold/bucket cleaning (not intended for vapor degreaser).

Precision-V Maintenance Cleaner

1650-16S 16 oz aerosol

1650-P 1 pint (.47L) in glass bottle 1650-G 1 gal (3.8L) in glass bottle 50 lbs in 5 gal (18.9L) metal drum 1650-5G

Precision-V Flux Remover

1651-16S 16 oz aerosol

1651-P 1 pint (.47L) in glass bottle 1651-G 1 gal (3.8L) in glass bottle 1651-5G 50 lbs in 5 gal (18.9L) metal drum



PRECISION

Vapor-Degreaser Formulas

Lower boiling point than most other vapor-degreaser solvents, which reduces heat-stress on components being cleaned and reduces energy consumption from the boil sump and chiller coils.

Precision-V Vapor-Degreaser Parts Cleaner

1654-G 1 gal (3.8L) in glass bottle 1654-5G 50 lbs in 5 gal (18.9L) metal drum 1654-54G 600 lbs in 54 gal (204L) metal drum

Precision-V Vapor-Degreaser Flux Remover

1655-G 1 gal (3.8L) in glass bottle 50 lbs in 5 gal (18.9L) metal drum 1655-5G 1655-54G 585 lbs in 54 gal (204L) metal drum



SOLVENT CLEANERS



1638-5G



Powerful and Non-Flammable

- Non-Flammable
- **Patented Technology**
- Safe on Most Plastics
- **Rapid Evaporation**
- Residue-Free
- **Non-Ozone Depleting***



Blue Shower Maintenance Cleaner

Designed for precision cleaning of polar and non-polar soils including hand and solder oils, greases, silicones, fluxes and other similar contaminants. Bulk chemicals ideal for cold/bucket cleaning and ultrasonics (not intended for vapor degreaser).

1630-10S 10 oz (230ml) aerosol 1630-16S 16 oz (368ml) aerosol 1635-20S 20 oz (464ml) aerosol G3 Industrial Maintenance Cleaner

1 pint (.47L)

1637-G

1637-5G 55 lbs in 5 gal (18.9L) metal drum 1637-54G 605 lbs in 54 gal (204L) metal drum



Contact Cleaner

Removes oils, greases, silicones, dirt, and carbon build-up from contacts, pads, switches and relays. Bulk chemicals ideal for cold/bucket cleaning and ultrasonics (not intended for vapor degreaser).

1632-10S 10 oz (230ml) aerosol 1637-P 1 pint (.47L) 1637-5G 55 lbs in 5 gal (18.9L) metal drum 1632-16S 16 oz (368ml) aerosol 1637-G 1637-54G 605 lbs in 54 gal (204L) metal drum 1 gal (3.8L)



Flux Remover

Removes R, RA, RMA and SA type flux residues after high temperature reflow, wave, and hand-soldering. Ideal for lead and lead-free processes. Bulk chemicals ideal for cold/bucket cleaning and ultrasonics (not intended for vapor degreaser).

1631-5S 5 oz (115ml) aerosol w/brush 1638-P 1 pint (.47L) **1638-5G** 55 lbs in 5 gal (18.9L) metal drum 1631-10S 10 oz (230ml) aerosol 1638-G 1 gal (3.8L) 1638-54G 605 lbs in 54 gal (204L) metal drum 1631-16S 16 oz (368ml) aerosol



🜀 No-Clean Flux Remover

Designed specifically for the removal of no-clean flux and white residues. Can also be used for removing R, RA, RMA, and SA type flux residues after high temperature reflow, wave, and hand-soldering.

1634-12S 12 oz (276ml) aerosol * Aerosol formulas only.

ECOLINE

Powerful and Economical

- **Flammable**
- Safe on Most Plastics
- **Rapid Evaporation**
- Residue-Free
- **Non-Ozone Depleting**

ECOLINE Blue Shower Maintenance Cleaner

Designed for cleaning electronic and electrical equipment, machinery and metal parts. Its rapid evaporation and compatibility with plastics make it the economical choice for great cleaning.

1620-10S 10 oz (397ml) aerosol 1620-13S 13 oz (516ml) aerosol

ECOLINE Contact Cleaner

Hexane mixture that cleans electrical contacts and connections. Ideal for switches, relays, contact pads and other electrical connections. Safe on most plastics, the solvent will not damage switch and fuse housings.

1622-10S 10 oz (397ml) aerosol 1622-13S 13 oz (516ml) aerosol

1622-54G 321 lbs in 54 gal (204L) metal drum

ECOLINE Flux Remover

Removes R, RA, RMA and SA type flux residues after high temperature reflow, wave, and hand-soldering. Ideal for lead and lead-free processes.

1621-10S 10 oz (397ml) aerosol

1621-5G 33 lbs in 5 gal (18.9L) metal drum 1621-54G 321 lbs in 54 gal (204L) metal drum



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CLEANING SOLVENT SELECTION GUIDE



Maintenance Cleaners — Cleans oils and contaminants off of metal parts, printed circuit boards, barcode instruments, switch boxes, relays, contacts and housings.

	Non- Flammable	Non-Ozone Depleting	VOC	Plastic- Safe	Flash Point	Toxicity	Aerosol	Cold/Bucket Cleaning	Ultrasonic	Vapor Degreaser
1620	0	•	75%	•	22°F/5.6°C	500ppm	•	0	0	0
1622	0	•	75%	•	22°F/5.6°C	500ppm	•	•	0	0
1630	•	•	61%	0	none	448ppm	•	0	0	0
1632	•	•	60%	0	none	395ppm	•	0	0	0
1637	•	0	61%	0	none	169ppm	0	•	•	0
1650	•	•	37%	0	none	420ppm	•	•	•	0
1654	•	•	41%	0	none	259ppm	0	•	0	•
1658	•	0	59%	0	none	243ppm	0	•	•	•
1663	•	0	0%	•	none	270ppm	•	•	•	•
1664	•	0	35%	0	none	323ppm	•	•	•	•
1667	•	0	9%	0	none	350ppm	•	•	•	0
1668	•	0	<1%	0	none	278ppm	•	•	•	0

Flux Removers — Removes no-clean and rosin based residues off of printed circuit boards in production, rework and repair.

	Non- Flammable	Non-Ozone Depleting	VOC	Plastic- Safe	Flash Point	Toxicity	Aerosol	Cold/Bucket Cleaning	Ultrasonic	Vapor Degreaser
1621	0	•	75%	•	22°F/5.6°C	500ppm	•	•	0	0
1631	•	•	61%	0	none	395ppm	•	0	0	0
1634	•	•	61%	0	none	395ppm	•	0	0	0
1638	•	0	70%	0	none	155ppm	0	•	•	0
1651	•	•	37%	0	none	420ppm	•	•	•	0
1655	•	•	43%	0	none	278ppm	0	•	0	•
1660	•	0	35%	•	none	323ppm	•	0	0	0
1665	•	0	5%	•	none	277ppm	•	•	•	•
1666	•	0	5%	0	none	276ppm	0	•	•	•
1669	•	0	15%	•	none	281ppm	0	•	•	•

● IDEAL ● ACCEPTABLE ● NOT SUITABLE or NOT APPLICABLE

VOC calculated percentage by weight following EPA exemptions of aerosol formulas (where applicable). Toxicity calculated weighted average of ACGIH or supplier rating of aerosol formulas (where applicable).

