



Kleen ATMS

1664

Flux removers (defluxers) remove flux residues and other contaminants left by manufacture, rework, or repair of printed circuit boards. Residues from higher, leadfree temperatures are more baked on and harder to clean. Techspray flux removers have been proven very effective at removing fluxes baked on at leadfree temperatures.



High-precision AK225-based solvent cleaner

Nonflammable, strong cleaner ideally suited for metal cleaning. Can also be used as a defluxer when soldering components.

Because of ozone depletion, AK225 is scheduled for phase-out in the US January 1, 2015. For more information on the specifics of the phase-out and replacement chemistries, go to www.ak225ban.com.

- Powerful Cleaner
- Non-flammable
- Degreaser & Defluxer
- Safe on electronics
- Rapid evaporation
- Zero residue
- Safe on most plastics
- EPA SNAP approved
- Vapor-degreaser formula

Specifications:

- USDA: approved K-2 rated

Product Packaging

1664-18S
Kleen ATMS
18 oz
1 units/case



1664-G
Kleen ATMS
1 gal
1 units/case



1664-5G
Kleen ATMS
50 lbs
1 units/case



1664-54G
Kleen ATMS
600 lbs
1 units/case



Techspray
P.O. Box 949, Amarillo, TX 79105
800-858-4043 • www.techspray.com



Instructions

Maintenance cleaning: Disconnect equipment from power source. Make sure opening of sprayhead is pointing toward surface to be cleaned. Hold can 6-8 inches away. Direct spray to saturate soiled surface. A TechBrush® (2000 Series) may be utilized to help in the removal of heavy soils. When used as a general cleaner, start at top of area to be cleaned using a sweeping motion and spray the area, slowly working toward the bottom. To clean in hard to reach areas, insert extension tube in sprayhead to direct spray. Allow components to dry completely before applying current.

Defluxing: Make sure opening of sprayhead is pointing toward surface to be cleaned. Hold can 15-20 cm away. Direct spray to saturate soiled surface. A TechBrush® (2000 Series) may be utilized to help in the removal of heavy soils. When used as a general cleaner, start at top of area to be cleaned using a sweeping motion, and spray the area slowly, working towards the bottom. To clean in hard to reach areas, insert extension tube in sprayhead to direct spray. Allow components to dry completely before applying current. For flat surface cleaning, saturate a lint-free TechClean® Twillwipe (2357) or Purwipe (2355) and wipe surface with cloth. Rotate the cleaning side of the wipe periodically and re-saturate.

Reclamation Process: The reclamation (i.e., boil down) process utilizes the vapor-degreaser as a still to distill solvent from the dirty boil sump and allows you to reclaim and reuse this solvent. When it is determined that the Boil Sump needs to be cleaned out, you should do the following things to boil down the solvent:

1. If you have a 2 sump vapor-degreaser, drain the rinse sump into a clean container for reuse. If you have a one-sump vapor-degreaser, drain the spray reservoir using the spray wand. This material should be collected in a clean container, so it can be reused.
2. Allow the solvent to continue to boil, and the vapors to condense, until such time as one of two things happens:
 - a. the High Temperature Control (HTC) trips and turns off the heat to the heating elements
 - or
 - b. the Liquid Level Control trips because the level in the Boil Sump is too low.
3. Drain the remaining solvent/soil mixture into a container that is labeled as Hazardous Waste. This material can be used in future boil downs to reclaim more of the solvent in the mixture.
4. Use the retained solvent (from step 1) to refill the vapor-degreaser and add whatever volume of solvent is necessary to completely fill the machine.

This process can be repeated as often as necessary, depending on the amount of usage of the vapor-degreaser and the amount of soil that is introduced into the vapor-degreaser. When you boil down always put the solvent/soil mixture into the vapor-degreaser to reclaim additional amount of the solvent from this mixture.



Technical Information

Chemical & Physical Properties

Appearance	Clear, colorless liquid
Odor	Faint ethereal odor
Flash Point	none
VOC (EPA)	35% (aerosol)
VOC (CARB)	75% (aerosol), 100%, (bulk)
Boiling Point	44.6°C (114°F)

Chemical Composition

CHEMICAL NAME	CAS #
3,3-Dichloro-1,1,1,2,2-pentafluoropropane (HCFC-225ca)	422-56-0
1,3-Dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb)	507-55-1
1,2-transdichloroethylene	156-60-5
Methanol	67-56-1
Nitromethane	75-52-5
1,1,1,2-Tetrafluoroethane (aerosol)	811-97-2
Carbon dioxide (aerosol)	124-38-9

Environmental Policy

Techspray is committed to developing products to ensure a safer and cleaner environment. We will continue to meet and sustain the regulations of all federal, state and local government agencies.

Resources

Techspray products are supported by a global sales, technical and customer services resources.

For additional technical information on this product or other Techspray products in the United States, call the technical sales department at 800-858-4043, email tsales@techspray.com or visit our web site at: www.techspray.com.

**North America**

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Countries Outside US

Call to locate a distributor in your country.

Important Notice to Purchaser/User: The information in this publication is based on tests that we believe are reliable. The results may vary due to differences in tests type and conditions. We recommend that each user evaluate the product to determine its suitability for the intended application. Conditions of use are outside our control and vary widely. Techspray's only obligation and your only solution is replacement of product that is shown to be defective when you receive it. In no case will Techspray be liable for any special, incidental, or consequential damages based on breach of warranty, negligence or any other theory.

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