

AMOLEA™ AS-300

AMOLEA™ AS-300 is a next-generation, fluorinated, non-flammable solvent with low environmental impact and maximum cleaning power.

Features

- Very low GWP (Global Warming Potential)
- Almost zero ODP (Ozone Depletion Potential)
- Excellent solvency (high Kb value) without trans-1,2-dichloroethene
- Ideal boiling point for cleaning applications (54°C)
- Improved safety - high AEL (Allowable Exposure Limit) and no flashpoint
- Contributes to lower consumption of solvent

Properties

Property	Unit	AS-300	AK ⁺ -225 (HCFC)	nPB	HFC-43-10mee	HCFO-1233zd(E)	HFO
Boiling point	°C	54	54	71	55	19	110
Kb value	-	44	31	125	5	25	6
ODP	-	≈0	0.03	≈0	0	≈0	0
GWP	-	0.00002	274	0.31	1650	1	2.5
Flash point	°C	none	none	none	none	none	none
AEL	ppm	250	100	0.1	200	800	500

Applications

- Substitution of bromine-based solvents
- Degreasing of metal and precision parts
- Degreasing of aerospace parts
- Degreasing of semiconductors and electronic parts
- Defluxing of printed circuit boards
- Cleaning during pre-plating
- Dilution of silicone oils and fluorinated greases
- Carrier for fluorinated oils and greases

Product Comparison by Application

Application	AS-300	AK ⁺ -225 (HCFC)	HFE
Degreasing	✓	✓	
Particle cleaning	✓	✓	✓
Metal cleaning	✓	✓	
Precision cleaning	✓	✓	✓
Defluxing	✓	✓	
Dilution of fluorinated oils	✓	✓	✓
Dilution of silicone oils	✓	✓	

Market Background

- nPB will be phased out in the EU by July 2020
- HFC will be phased down worldwide as per the Kigali Amendment to the Montreal Protocol
- Low Kb value of HFO (X) is not suitable for cleaning applications

*ASAHIKLIN™ AK-225 shown for comparison only. Not available for sale in Europe.