

VIGON® 1200-AE

Water-based cleaning agent for precision parts cleaning in the aerospace industry



VIGON® 1200-AE, based on MPC® (Micro Phase Cleaning) Technology, is a water-based cleaning agent specifically developed for spray-in-air precision metal cleaning processes within the aerospace industry. VIGON® 1200-AE effectively and safely removes a wide variety of particulates and processing impurities.

Areas of Application: Aerospace Metal Cleaning

Recommended Contaminants:	Additional Product Information
Particulates	Material Compatibility Overview MPC® Technology Sheet
Lubrication Oils	Safety Data Sheet

Key Benefits

- Efficiently cleans particulates and lubrication oils in one cleaning cycle.
- Excellent material compatibility with magnesium and aluminum parts.
- No carbonate formation.
- Non-hazardous.
- Non-foaming.

Process Steps

Cleaning Process	Parts	1. Cleaning	2. Rinsing	3. Drying
Spray-in-air	Metal Cleaning	VIGON® 1200-AE	VIGON® 1200-AE or DI-water	Hot air or circulating air

Please refer to the Material Compatibility Overview prior to cleaning plastics.

Technical Data: VIGON® 1200-AE at 20% Concentration

Density	(g/cm ³) at 20°C/68°F	0.98
Surface tension	(mN/m) at 25°C/77°F	25.8
Boiling point	°C/°F	98 – 212 / 208 – 414
Flash point	°C/°F	None
pH value	10g/l H ₂ O	10
Vapor pressure	(mbar) at 20°C/68°F	20
Cleaning temperature	°C/°F	20 – 50 / 68 – 122
Solubility in water		Soluble
Application concentration ¹	Concentrate	15 – 25%
HMIS Rating	Health-Flammability-Reactivity	0 – 0 – 0

¹ VIGON® 1200-AE is recommended to be diluted in DI-water

Product Features & Cleaning Standards



MPC® Technology ensures an extremely long bath life when used in a closed loop system



100% compliance with EU guidelines (RoHS 1, 2 & 3, WEEE)



Product is free of any critical substances according to SIN & SVHC lists

Environmental, Health & Safety Regulations

- VIGON® 1200-AE is water-based and biodegradable.
- Formulated free of any halogenated compounds and is environmentally friendly.
- Non-flammable and no specific handling precautions are required.
- Refer to the SDS for specific handling precautions and instructions.

Availability & Storage

1 Liter	✓
5 Liter	✓
25 Liter	✓
200 Liter	✓

- Available as concentrate
- Store VIGON® 1200-AE in the original container at a temperature between 5 - 30°C / 41 - 86°F.
- The product has a minimum shelf life of 5 years in factory sealed containers.



Process Optimization



To ensure a stable running cleaning process, it is important to monitor cleaning agent concentration. For VIGON® 1200-AE the following process support product is available:



Concentration measurement:

- ZESTRON® Bath Analyzer 20 is a manual test method for fast and reliable checks of cleaning agent concentration.

Contact ZESTRON's Application Engineering Team for more information or trials:
 Phone: +1 (703) 393-9880 Email: infousa@zestron.com