

VIGON® 1000-CR

Water-based, surfactant free medium for precision metal parts cleaning



VIGON® 1000-CR, based on MPC® (Micro Phase Cleaning) Technology, is a water-based cleaning agent specifically developed for removing grease/oil and cooling lubricants in one process providing optimum cleanliness. Due to its solid and residue-free formulation, it can also be used as a rinsing medium.

Areas of Application: Metal Cleaning

Recommended Applications:	Additional Product Information
Cooling Lubricant	Material Compatibility Overview
Conservation Oil	
Lubricant	
Extraction Grease	MPC® Technology Sheet
Resin/Wax	Safety Data Sheet
Grinding and Polishing Paste	
Salts/Chips	

Key Benefits

- VIGON® 1000-CR can be used in all types of cleaning equipment.
- Suitable for: aluminum alloys, brass, copper alloys, stainless steel, nickel-base alloys, titanium, and zinc.

Process Steps

Cleaning Process	Parts	1. Cleaning	2. Rinsing	3. Drying
Spray-in-air	Metal Cleaning	VIGON® 1000-CR	VIGON® 1000-CR	Vacuum or hot air
Dip tank cleaning	Metal Cleaning	VIGON® 1000-CR	VIGON® 1000-CR	Vacuum or hot air

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

Technical Data: VIGON® 1000-CR at 10% Concentration

Density	(g/cm ³) at 20°C/68°F	0.98
Surface tension	(mN/m) at 25°C/77°F	35.2
Boiling point	°C/°F	99 / 210
Flash point	°C/°F	None
pH value	10g/l H ₂ O	Neutral
Vapor pressure	(mbar) at 20°C/68°F	31
Cleaning temperature	°C/°F	50 – 70 / 122 – 158
Solubility in water		Soluble
Application concentration ¹ (inline)	Concentrate	10%
HMS Rating	Health-Flammability-Reactivity	0 – 0 – 0

¹ VIGON® 1000-CR 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® 1000-CR is formulated free of any halogenated compounds.
- VIGON® 1000-CR is not flammable and non-hazardous. It has not flashpoint and no special precautions for handling 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® 1000-CR 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® 1000-CR 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:
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