



Solvon

Halogen-free hydrocarbon solvent for dry cleaning.

Solvon TM D 21/12

Characteristics

- SOLVON is chemically stable and can be distilled without decomposition.
- SOLVON is almost completely odour-free.
- SOLVON can be easily distilled; due to the narrow distillation range and the convenient evaporation number short drying times are possible.
- SOLVON exhibits anticorrosive properties.
- The solubility of SOLVON in water is below 20 mg/l (0.003 oz/gal).

Chemical-physical data

Appearance|Colourless, clear liquid
Bulk density|0.77 g/ml, 20 °C (68 °F)
Flashpoint|> 61 °C (142 °F) (PMCC)
Boiling range|180 °C - 205 °C (356-401 °F)
Evaporation number|Approx. 80
Kauri butanol number|Approx. 25

General

The solvent care and the maintenance of the water separator are frequently neglected although these works are of utmost importance to ensure that solvent and machine remain in a hygienically perfect condition. What is sometimes overlooked is the fact that the water separator or for some machine types the water separators play an important role for the olfactory neutrality of the cleaned textiles.

In Central European climate, a typical mixed batch has a humidity of approx. 5% resulting from the moisture in the textiles. Since the items are overdried in the drying process, the moisture remains in the water separator of the machine and leaves the system in form of condensate. The few liters of contact water per day (approx. 5 liters) sometimes filter several hundred liters of solvent per day. Even though the contact water looks crystal clear, the contamination level of these few liters can be very substantial.

To ensure that the water separator, which frequently comprises several stages, is always clean, we recommend to drain the water phase regularly and to flush the water separator at weekly intervals with 2-3 liters of fresh water after the contact water has been drained. Many machines have a small funnel with manual valve installed over the water separator. With the machine standing still, the fresh water can be added slowly within 2-3 minutes. The fresh water separates from the solvent, runs through the different separators within approx. 10 minutes and then flows into the safety separator.

This maintenance measure cleans any existing conductivity probes at the bottom of the separator and also keeps the separator sightglass clean. Polar fragrances that may have been introduced by the textiles, are volatile in steam or were overdistilled by the distillation are dissolved partially or even preferably in the water phase of the separator and are thereby once more separated from the solvent. The cleaned items smell fresher and do not have any foreign odours.

If there was a machine issue concerning unpleasant scents, repeated use of this measure in combination with distillation of the solvent leads to a significant improvement of the situation within 1 or two days. If regular maintenance is performed on the water separator, this problem should not arise in the first place. The addition of PERAMON after each cleaning of the still ensures a slightly alkaline pH of the solvent. Odour-intensive substances are bound in the still, and corrosion on machine parts and coolers is avoided.

We recommend the regular use of PERAMON in solvent cleaning machines for all solvents in the textile care industry.

PERAMON for the care of solvents, machines and components ensures hygienic conditions in cleaning machines and avoids the occurrence of unpleasant smells. By stabilizing the pH of the solvents, PERAMON actively contributes to the stabilization of the solvents in the textile cleaning industry.

Maintenance plan for dry cleaning machines

Storage and dispatch

SOLVON is not frost-sensitive.

Storage according to VbF A III.

Containers should be tightly closed after dispensing.

Standard packagings	Dispatch unit / pallet
20 kg Plastic Canister (26,3 Liter)	36
29 kg Plastic Canister (38,2 Liter)	36
200 kg Metal Barrel (210,5 Liter)	2