

HONEYWELL RIEDEL-DE HAËN™ ANHYDROUS SOLVENTS

Laboratory techniques make regular use of anhydrous solvents, especially in analysis and synthesis.

These reagents need to be as dry as possible and also remain dry in storage. However to purify and dispense these solvents in your own laboratory is challenging.



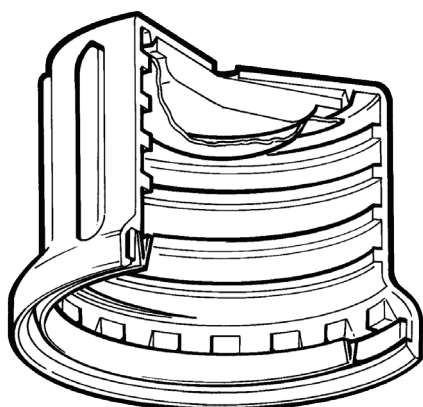
To address this need we have now developed a range of dried solvents with very low water levels.

- These solvents are specially produced to a water specification of less than 75 ppm (<0.0075%).
- Many solvents go well beyond that and are routinely produced to lower than 10 ppm (<0.0010%).
- Packaging materials and processes are especially designed to retain solvent dryness.
- The water content itself is strictly controlled by coulometric Karl Fischer analysis (see [Hydranal™](#) product line) and we print the actual result on every label so that you know exactly just how dry these solvents really are.

HOW WE DO IT?

Solvents this dry need a packaging system designed to ensure that the exceptional state of dryness achieved at time of purification is retained throughout storage and use.

Before filling, we first oven-dry the amber glass bottles to remove all traces of water which may be present on the inner walls. At such low levels even this trace moisture is noticeable. The bottles are then filled under an inert atmosphere of dry nitrogen to prevent moisture build-up and sealed with a special cap.



DESIGNED BOTH TO RETAIN SOLVENT DRYNESS AND PURITY AND TO FACILITATE DISPENSING, OUR CAP FEATURES:

- A double seal; a Polytetrafluoroethylene – Teflon® (PTFE) wad and a self-sealing septum.
- The PTFE wad sits between the solvent and the septum thereby maintaining the original chemical purity and giving an extended shelf life before initial use.

The self-sealing septum allows the solvent to be dispensed by syringe at the point of use, but because the cap is screw-on it may also be opened conventionally. However, it is important to note that once in contact with the atmosphere product quality can deteriorate depending on the hygroscopic nature of the solvent.

PRODUCT RANGE

We offer a range of pack sizes from 100 mL to 2.5 L.

Catalog Number	Material Name	100ML	1L	2.5L
66214	Acetonitrile Anhydrous	X	X	X
66204	Dichloromethane Anhydrous stabilised with amylene	X	X	
66206	Dimethyl Sulfoxide Anhydrous	X	X	X
66201	<i>N, N</i> -Dimethylformamide Anhydrous over molecular sieve		X	X
66222	1,4-Dioxane Anhydrous	X	X	
66211	Methanol Anhydrous	X	X	X
66270	<i>N</i> -Methyl-2-pyrrolidone Anhydrous	X	X	X
66213	Pyridine Anhydrous over molecular sieve	X	X	X
66202	Tetrahydrofuran Anhydrous stabilised with BHT	X	X	X
66205	Tetrahydrofuran Anhydrous unstabilised	X	X	X
66200	Tetrahydrofuran Anhydrous unstabilised over molecular sieve		X	X
66212	Toluene Anhydrous	X	X	X

