QUALITY AND SAFETY. SEALED.

Sure/Seal™ system for anhydrous solvents
Choose from the largest range of high-quality anhydrous solvents with exceptionally low water levels. And you’ll be sure that each product is perfectly protected with our innovative, moisture-inhibiting Sure/Seal™ system. We use three different types of materials to ensure complete compatibility with contents, and easier handling for you. Sure/Seal™ bottles come in several sizes, ranging from 100 mL to 2 L.

**Improved crimp cap design**
- Puncture area increased 4x to allow even more applications
- Air-tight system to protect product quality

**Innovative plug style**
- Maximum surface area contact with bottle to exclude moisture and oxygen
- More than 50% thicker than competing brands

**Elastomer liner**
- Outstanding resealing properties
- Secondary resin layer ensures resistance to chemicals
- Outperforms competitors’ seals in moisture prevention
- Three unique plug-style liners to suit a wide range of solvents and solutions

Learn more about the benefits of Sure/Seal™ system on: SigmaAldrich.com/sureseal
**Moisture uptake**

A comparative study was conducted to determine the effectiveness of the liners’ seal and closure designs. Using a dried 18-gauge needle, triplicate sample sets from 100 mL bottles received four new punctures per liner per week during the five-week test period for a total of 20 punctures per liner. Karl Fischer (KF) titration was performed to measure the rate of moisture uptake.

**Oxygen transmission rate**

Oxygen transmission rate (OTR) is a measurement of the amount of $\text{O}_2$ allowed to permeate into the bottle over a certain period, and demonstrates the cap and liner’s ability to maintain an airtight seal over time.

**Summary:**

Comprehensive testing confirmed that Sure/Seal™ system outperforms competitors’ seals by maintaining low water absorption even after multiple punctures. See additional test results on [SigmaAldrich.com/sureseal](https://SigmaAldrich.com/sureseal)

**Safety bulletin**

It is essential to follow proper care and dispensing procedures when handling air-sensitive products. To assist you in this, please consult “Technical Bulletin AL-134: Handling Air-Sensitive Reagents” on [SigmaAldrich.com/technicalbulletins](https://SigmaAldrich.com/technicalbulletins)
Cyclopentyl methyl ether, inhibitor-free, <0.003%
2-Methoxyethanol, anhydrous, 99.8%
N,N-Dimethylformamide, anhydrous, 99.8%
Hexane, mixture of isomers, anhydrous, ≥99%
Reagent Alcohol, anhydrous, ≤0.003% water
Pentane, anhydrous, ≥99%
Ethyl acetate, anhydrous, 99.8%
(±)-1,3-Butanediol, anhydrous, ≥99%
Tetrahydrofuran, anhydrous, ≥99.9%
Anisole, anhydrous, 99.7%
1,2-Dichlorobenzene, anhydrous, 99%
2-Methyltetrahydrofuran, anhydrous, ≥99%
Petroleum ether, anhydrous
N,N-Dimethylacetamide, anhydrous, 99.8%
1-Methyl-2-pyrrolidinone, anhydrous, 99.5%
Isopentyl acetate, anhydrous, ≥99%
Chloroform, anhydrous, ≥99%, contains 2-Methylbutane, anhydrous, ≥99%
Tetrahydropyran, anhydrous, 99%
Dibutyl ether, anhydrous, 99.3%
Benzyl alcohol, anhydrous, 99.8%
Nonane, anhydrous, ≥99%
tert-Butyl methyl ether, anhydrous, 99.8%
2-Methyltetrahydrofuran, anhydrous, ≥99.0%
2-Methyl-1-propanol, anhydrous, 99.5%
Hexadecane, anhydrous, ≥99%
Methyl acetate, anhydrous, 99.5%
Octane, anhydrous, ≥99%
2,2,4-Trimethylpentane, anhydrous, 99.8%
Tetrachloroethylene, anhydrous, ≥99%
Diethylene glycol dimethyl ether, anhydrous, 99.5%
Acetonitrile, anhydrous, 99.8%
Dimethyl carbonate, anhydrous, ≥99%
Dichloromethane, anhydrous, ≥99.8%, ≤0.001%
1,4-Dioxane, anhydrous, 99.8%
1-Propanol, anhydrous, 99.7%
m-Xylene, anhydrous, ≥99%
Dimethyl sulfoxide, anhydrous, ≥99.9%
1-Octanol, anhydrous, ≥99%
Trichloroethylene, anhydrous, contains 40 ppm
Methylcyclohexane, anhydrous, ≥99%
Decane, anhydrous, ≥99%
Ethylene glycol, anhydrous, 99.8%
Methyl formate, anhydrous, 99%
Ethyl alcohol, Pure, 200 proof, anhydrous, ≥99.5%
Methanol, anhydrous, 99.8%
p-Xylene, anhydrous, ≥99%
1-Hexanol, anhydrous, ≥99%
Toluene, anhydrous, 99.8%
1,2,4-Trichlorobenzene, anhydrous, ≥99%
Benzonitrile, anhydrous, ≥99%
Dodecane, anhydrous, ≥99%
tert-Butanol, anhydrous, ≥99.5%
1,2,3,4-Tetrahydronaphthalene, anhydrous, ≤0.005%
Ethylbenzene, anhydrous, 99.8%

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Lit. No. MS_BR1383EN Ver. 1.0
2017 - 08618
01/2018