



Extra Dry solvents from Acros Organics

AcroSeal® Extra Wide Septum with screw top and tamper evident cap



**ACROS
ORGANICS**



Fisher Scientific

Part of Thermo Fisher Scientific

- **More products – over 20 solvents available in two grades**
 - **ExtraDry** down to 10ppm water, filtered through a 0.2 micron PTFE filter and packed under an inert atmosphere
 - **Over molecular sieve**, down to 20ppm water, supplied over a 3Å molecular sieve and packed under an inert atmosphere. **Some products now available in 500ml bottle.**
- **More pack sizes** – AcroSeal system available in 100ml, 500ml, 1lt and 2.5lt bottles.
- All supplied with AcroSeal extra wide septum screw top sealing system (see back page for more details).

ExtraDry

Chemical	Water <50ppm unless otherwise stated	Assay	Pack size	Stabilizer	Code
Acetone		99.8%	1lt		32680 0010
		99.8%	100ml		32680 1000
Acetonitrile	<10ppm	99.9%	1lt		32681 0010
		99.9%	100ml		32681 1000
tert-Butylmethylether		99.0%	1lt		37521 0010
		99.0%	100ml		37521 1000
Chloroform		99.9%	1lt	150ppm Amylene	32682 0010
		99.9%	100ml	150ppm Amylene	32682 1000
Cyclohexane		99.5%	100ml		32683 1000
1,2-Dichloroethane		99.8%	1lt		32684 0010
		99.8%	100ml		32684 1000
Dichloromethane	<30ppm	99.9%	1lt	~ 50 ppm Amylene	32685 0010
		99.9%	2.5lt	~ 50 ppm Amylene	32685 0025
		99.9%	100ml	~ 50 ppm Amylene	32685 1000
Diethyl ether		99.5%	1lt	5-10ppm BHT	32686 0010
		99.5%	100ml	5-10ppm BHT	32686 1000
N,N-Dimethylacetamide		99.5%	1lt		39635 0010
		99.5%	100ml		39635 1000
N,N-Dimethylformamide		99.8%	1lt		32687 0010
		99.8%	2.5lt		32687 0025
		99.8%	100ml		32687 1000
1,4-Dioxane		99.8%	1lt	2.5ppm BHT	32689 0010
		99.8%	100ml	2.5ppm BHT	32689 1000
Ethyl acetate		99.9%	100ml		32690 1000
n-Heptane	<30ppm	99.0%	100ml		32691 1000
n-Hexane	<20ppm	99.0%	1lt		32692 0010
		99.0%	100ml		32692 1000
Iso propanol		99.8%	1lt		32696 0010
		99.8%	100ml		32696 1000
Methanol		99.9%	1lt		32695 0010
		99.9%	100ml		32695 1000
Methyl acetate		99.0%	1lt		37183 0010
		99.0%	2.5lt		37183 0025
		99.0%	100ml		37183 1000
Methyl sulfoxide		99.7%	1lt		32688 0010
		99.7%	100ml		32688 1000
1-Methyl-2-pyrrolidinone		99.5%	1lt		32693 0010
		99.5%	100ml		32693 1000
2-Methyltetrahydrofuran	<20ppm	99.0%	1lt	~ 250ppm BHT	39662 0010
		99.0%	100ml	~ 250ppm BHT	39662 1000
Pyridine		99.5%	1lt		33942 0010
		99.5%	100ml		33942 1000
Tetrahydrofuran		99.8%	1lt	100-250ppm BHT	32697 0010
		99.8%	2.5lt	100-250ppm BHT	32697 0025
		99.8%	100ml	100-250ppm BHT	32697 1000
Toluene	<30ppm	99.9%	1lt		32698 0010
		99.9%	100ml		32698 1000
2,2,4-Trimethylpentane	<30ppm	99.5%	100ml		32694 1000
Cyclohexane		99.5%	1lt		36466 0010

Product Selection Guide

- New products:**

- **2-Methyl tetrahydrofuran**, an alternative to Tetrahydrofuran in Grignard reactions; higher solubility of the Grignard reagent allows higher concentrations to be used and its limited solubility in water eases aqueous work ups.

- **tert-Butyl methyl ether**, an alternative to Diethyl ether because of its higher boiling point and lower tendency to form peroxides

- All supported by extensive and readily available stocks in both the UK and European warehouses.

Over molecular sieve

Chemical	Water <50ppm unless otherwise stated	Assay	Pack size	Stabilizer	Code
Acetonitrile		99.9%	1lt		36431 0010
		99.9%	100ml		36431 1000
		99.9%	500ml		36431 5000
tert-Butylmethylether NEW		99.0%	1lt		37522 0010
		99.0%	100ml		37522 1000
Chloroform		99.9%	1lt	150ppm Amylene	36432 0010
		99.9%	100ml	150ppm Amylene	36432 1000
Cyclohexane		99.5%	100ml		36466 1000
Dichloromethane		99.8%	1lt	approx 50 ppm Amylene	34846 0010
		99.8%	2.5lt	approx 50 ppm Amylene	34846 0025
		99.8%	100ml	approx 50 ppm Amylene	34846 1000
		99.8%	500ml	approx 50 ppm Amylene	34846 5000
Diethyl ether		99.4%	1lt	5-10ppm BHT	36433 0010
		99.4%	100ml	5-10ppm BHT	36433 1000
		99.4%	500ml	5-10ppm BHT	36433 5000
N,N-Dimethylacetamide NEW		99.5%	1lt		37523 0010
		99.5%	100ml		37523 1000
N,N-Dimethylformamide		99.8%	1lt		34843 0010
		99.8%	2.5lt		34843 0025
		99.8%	100ml		34843 1000
		99.8%	500ml		34843 5000
1,4-Dioxane		99.5%	1lt	2.5ppm BHT	36434 0010
		99.5%	100ml	2.5ppm BHT	36434 1000
Ethyl acetate		99.9%	1lt		36435 0010
		99.9%	2.5lt		36435 0025
		99.9%	100ml		36435 1000
n-Heptane		99.0%	1lt		36436 0010
		99.0%	100ml		36436 1000
n-Hexane		97.0%	1lt		36437 0010
		97.0%	100ml		36437 1000
Iso propanol		99.5%	1lt		36440 0010
		99.5%	100ml		36440 1000
Methanol		99.8%	1lt		36439 0010
		99.8%	100ml		36439 1000
		99.8%	500ml		36439 5000
Methyl sulfoxide		99.7%	1lt		34844 0010
		99.7%	2.5lt		34844 0025
		99.7%	100ml		34844 1000
		99.7%	500ml		34844 5000
1-Methyl-2-pyrrolidinone		99.5%	1lt		36438 0010
		99.5%	2.5lt		36438 0025
		99.5%	100ml		36438 1000
2-Methyltetrahydrofuran NEW	<20ppm <20ppm	99.0%	1lt	typically 250ppm BHT	39663 0010
		99.0%	100ml	typically 250ppm BHT	39663 1000
Pyridine		99.0%	1lt		36442 0010
		99.5%	100ml		36442 1000
Tetrahydrofuran		99.5%	1lt	100-250ppm BHT	34845 0010
		99.5%	2.5lt	100-250ppm BHT	34845 0025
		99.5%	100ml	100-250ppm BHT	34845 1000
		99.5%	500ml	100-250ppm BHT	34845 5000
Toluene		99.9%	1lt		36441 0010
		99.9%	2.5lt		36441 0025
		99.9%	100ml		36441 1000
		99.9%	500ml		36441 5000
2,2,4-Trimethylpentane	<30ppm <30ppm	99.5%	1lt		36467 0010
		99.5%	100ml		36467 1000

What you get with AcroSeal Dry Solvents

Features

Tamper-evident break ring at the lower end of the protective red cap.

This is the customer's guarantee that they are the first to open the bottle, lower ring breaks off when red cap is opened.

Triple sandwich septum with inner silicone layer and double outer PTFE resin coating.
Better chemical compatibility and reclosure of puncture holes.

Quadrant cap surface.

The quadrant cap promotes the durability of the septum. Punctures can be spread over the large septum surface.



Cushioning liner in outer protective cap.
Provides a secure seal with quadrant cap.

Extra rim on inner cap.

Reduces the risk of deformation or bulging of the septa.

Large contact surface and thread design in quadrant cap and bottle.

Helps limit infiltration of air and moisture through screw neck.

Quadrant cap fits tightly over rim of glass bottle.

Reduces risk of accidental unscrewing of septum holding quadrant cap.

Reliability

- Improved next-generation, triple-sandwich septum
 - Minimizes atmospheric contact
 - Resistant to aggressive solvents
 - Dryness <50ppm or less at time of packaging

Integrity

- Quadrant-style cap ensures a tight seal between septum and bottle
- Tamper-evident seal indicates when the cap has been opened

Convenience

- Solvent can be withdrawn using a needle (recommended 18-gauge)
 - Extra wide septum avoids the need to puncture the same spot twice
- Quadrant cap can be removed completely for decanting larger volumes
 - Also allows for ease of rinsing prior to disposal

Recommended Use of AcroSeal Septum:

1. Unscrew the red top cap.
2. Puncture septa using a clock-face puncture pattern and 18-gauge needles.
3. Replace the inert gas blanket to maintain dryness for your next use.

Benefits

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