

# Anhydrous solvent



Kanto Chemical offer anhydrous solvent that removes water as much as possible. It can be used in a wide range of fields, such as improving the yield of target substances in organic synthesis reactions, reactions using organometallic compounds, and material research.

## Lineup with 2 types of specification values of water content

- Dehydrated grade: Below 20~50 ppm
- Dehydrated **-Super-** grade: Below 10 ppm

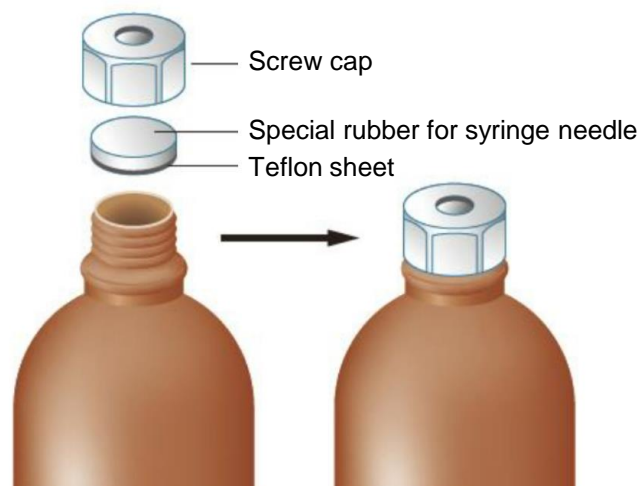
## Argon gas filling \*except Diethyl ether

The activity of Argon gas is lower than Nitrogen gas, so it is possible to use to the highly reactive compound. And its density is larger, so water and oxygen are not easily mixed into a bottle. Therefore, it is possible to use in a stable quality.

## Special cap

A special rubber made from Teflon (polytetrafluoroethylene) sheet is used for 100mL and 500mL packages. And each 100mL and 500mL package has a special cap through which a syringe needle can be inserted. The solvent is collected while blowing nitrogen gas into a package.

\*3L package is ready for large amounts of use. Please use it not to absorb moisture once open. Screw-sealed cap is used.



### <Stabilizer>

Containing stabilizer following items.

Name	Stabilizer (Chemical name)	Additive amount (%)
Chloroform	2-Methyl-2-butene (Amylene)	about 0.015
Cyclopentyl methyl ether	2,6-Di- <i>tert</i> -butyl- <i>p</i> -cresol (BHT)	about 0.005
Dichloromethane	2-Methyl-2-butene (Amylene)	about 0.001
Diethyl ether	2,6-Di- <i>tert</i> -butyl- <i>p</i> -cresol (BHT)	about 0.00015
Diisopropyl ether	Hydroquinone	about 0.01
1,4-Dioxane	2,6-Di- <i>tert</i> -butyl- <i>p</i> -cresol (BHT)	about 0.00005
Tetrahydrofuran (Catalog No. 40993-00)	2,6-Di- <i>tert</i> -butyl- <i>p</i> -cresol (BHT)	about 0.02
2-Methyltetrahydrofuran	2,6-Di- <i>tert</i> -butyl- <i>p</i> -cresol (BHT)	about 0.025
4-Methyltetrahydropyran	2,6-Di- <i>tert</i> -butyl- <i>p</i> -cresol (BHT)	about 0.002

## Product

Name	Stabilizer	Water content	Catalog No. / Package		
			100mL	500mL	3L
Acetone, dehydrated		<50ppm	01866-25	01866-05	01866-75
Acetonitrile, dehydrated <b>-Super-</b>		<10ppm	01837-25	01837-05	
Acetonitrile, dehydrated		<20ppm			01837-95
<b>NEW</b> Anisole, dehydrated <b>-Super-</b>		<10ppm		02016-08	
Benzene, dehydrated <b>-Super-</b>		<10ppm	04978-25	04978-05	
Benzene, dehydrated		<30ppm			04978-95
2-Butanol, dehydrated		<20ppm	04461-25	04461-05	04461-75
<b>NEW</b> Butyl acetate, dehydrated		<30ppm		05863-08	
<i>tert</i> -Butyl methyl ether, dehydrated <b>-Super-</b>		<10ppm	04419-25	04419-05	
<i>tert</i> -Butyl methyl ether, dehydrated		<50ppm			04419-75
Chloroform, dehydrated <b>-Super-</b>	○	<10ppm	08097-25	08097-05	
Chloroform, dehydrated	○	<30ppm			08097-95
Cyclohexane, dehydrated <b>-Super-</b>		<10ppm	07549-25	07549-05	
Cyclohexane, dehydrated		<30ppm			07549-75
Cyclopentyl methyl ether, dehydrated <b>-Super-</b>	○	<10ppm	08282-25	08282-05	
Cyclopentyl methyl ether, dehydrated	○	<30ppm			08282-75
1,2-Dichloroethane, dehydrated <b>-Super-</b>		<10ppm	10357-25	10357-05	
Dichloromethane, dehydrated <b>-Super-</b>	○	<10ppm	11338-25	11338-05	
Dichloromethane, dehydrated	○	<20ppm			11338-95
Diethyl ether, dehydrated*	○	<50ppm	14547-25	14547-05	
Diisopropyl ether, dehydrated <b>-Super-</b>	○	<10ppm	10479-25	10479-05	
Diisopropyl ether, dehydrated	○	<50ppm			10479-75
<i>N,N</i> -Dimethylacetamide, dehydrated		<50ppm	10309-25	10309-05	10309-75
<i>N,N</i> -Dimethylformamide, dehydrated <b>-Super-</b>		<10ppm	11339-25	11339-05	
<i>N,N</i> -Dimethylformamide, dehydrated		<50ppm			11339-95
1,3-Dimethyl-2-imidazolidinone, dehydrated		<50ppm	11208-25	11208-05	
Dimethylsulfoxide, dehydrated <b>-Super-</b>		<10ppm	10380-25	10380-05	
Dimethylsulfoxide, dehydrated		<20ppm			10380-75
1,4-Dioxane, dehydrated <b>-Super-</b>	○	<10ppm	11337-25	11337-05	
1,4-Dioxane, dehydrated	○	<50ppm			11337-95
Ethanol, dehydrated		<50ppm	14599-25	14599-05	14599-95

Name	Stabilizer	Water content	Catalog No. / Package		
			100mL	500mL	3L
Ethyl acetate, dehydrated <b>-Super-</b>		<10ppm	14060-25	14060-05	
Ethyl acetate, dehydrated		<30ppm			14060-75
Ethylene glycol dimethyl ether, dehydrated <b>-Super-</b>		<10ppm	14122-25	14122-05	
Ethylene glycol dimethyl ether, dehydrated		<50ppm			14122-75
Heptane, dehydrated <b>-Super-</b>		<10ppm	18006-25	18006-05	
Heptane, dehydrated		<30ppm			18006-75
Hexane, dehydrated <b>-Super-</b>		<10ppm	18636-25	18636-05	
Hexane, dehydrated		<20ppm			18636-95
<b>NEW</b> Mesitylene, dehydrated <b>-Super-</b>		<10ppm		26192-08	
2-Methoxyethanol, dehydrated		<50ppm	14130-25	14130-05	14130-75
Methylcyclohexane, dehydrated <b>-Super-</b>		<10ppm	25291-25	25291-05	
Methylcyclohexane, dehydrated		<20ppm			25291-75
Methanol, dehydrated <b>-Super-</b>		<10ppm	25506-25	25506-05	
Methanol, dehydrated		<50ppm			25506-75
N-Methyl-2-pyrrolidinone, dehydrated		<50ppm	25337-25	25337-05	25337-75
2-Methyltetrahydrofuran, dehydrated	○	<50ppm		25069-05	
4-Methyltetrahydropyran, dehydrated <b>-Super-</b>	○	<10ppm		25718-05	
<b>NEW</b> Monochlorobenzene, dehydrated <b>-Super-</b>		<10ppm		26193-08	
<i>n</i> -Pentane, dehydrated <b>-Super-</b>		<10ppm	32053-25	32053-05	
2-Propanol, dehydrated		<50ppm	32439-25	32439-05	32439-75
Pyridine, dehydrated <b>-Super-</b>		<10ppm	33168-25	33168-05	
Pyridine, dehydrated		<50ppm			33168-75
Tetrahydrofuran, dehydrated <b>-Super-</b>	○	<10ppm	40993-25	40993-05	
Tetrahydrofuran, dehydrated	○	<20ppm			40993-95
Tetrahydrofuran, dehydrated (stabilizer free) <b>-Super-</b>		<10ppm	41001-25	41001-05	
Tetrahydrofuran, dehydrated (stabilizer free)		<20ppm			41001-75
Toluene, dehydrated <b>-Super-</b>		<10ppm	40500-25	40500-05	
Toluene, dehydrated		<20ppm			40500-95
Xylene, dehydrated <b>-Super-</b>		<10ppm	46061-25	46061-05	
Xylene, dehydrated		<30ppm			46061-75

## Related product

Name	Package	Catalog No.
Caps for dehydrated solvent	1pack (10pieces)	08133-95

## Related product ~for electrochemistry~

Name	Water content	Catalog No. / Package	
		100mL	500mL
<b>Single solvent</b>			
Ethylene glycol dimethyl ether [DME]	<30ppm	14121-23	14121-08
Diethylene glycol dimethyl ether [DMDG]	<30ppm	10232-23	10232-08
Triethylene glycol dimethyl ether [DMTG]	<30ppm	40276-23	40276-08
Ethylene carbonate [EC]	<30ppm	14086-25	14086-08
Ethyl methylcarbonate [EMC]	<30ppm	14741-23	14741-08
Propylene carbonate [PC]	<30ppm	32455-23	32455-08
Diethyl carbonate [DEC]	<30ppm	14075-23	14075-08
Dimethyl carbonate [DMC]	<30ppm	10340-23	10340-08
Acetonitrile [ACN]	<30ppm	01030-23	01030-08
Propionitrile [EtCN]	<30ppm	32130-23	32130-08
4-Butyrolactone [ $\gamma$ -Butyrolactone]	<30ppm	04512-23	04512-08
N-Methyl-2-pyrrolidinone [NMP]	<30ppm	25336-23	25336-09
<b>Mixture solvent</b>			
Ethylene carbonate / Dimethyl carbonate = 1:1 (v/v%) [EC / DMC = 1:1 (v/v%)]	<30ppm	14065-23	14065-08
Ethylene carbonate / Diethyl carbonate = 1:1 (v/v%) [EC / DEC = 1:1 (v/v%)]	<30ppm	14066-23	14066-08
Ethylene carbonate / Ethyl methylcarbonate = 1:1 (v/v%) [EC / EMC = 1:1 (v/v%)]	<30ppm	14067-23	14067-08
Ethylene carbonate / Ethylene glycol dimethyl ether = 1:1 (v/v%) [EC / DME = 1:1 (v/v%)]	<30ppm	14068-23	14068-08

- Please use the products listed in the catalog as reagents (chemicals used for testing or research purpose).
- Product information is subject to change without notice. For the latest information, please have a look at our website "Cica-Web".

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