

# High Purity Chromasolv™ Solvents

Part of Honeywell Research Chemical's Exclusive Riedel-de Haën™ Brand Portfolio

The Chromasolv™ family of solvents are used in a variety of analytical applications such as preparative separations utilizing LC-MS, HPLC, API purity quantitation and pesticide analysis at trace levels.

Chromasolv products have been custom designed to meet the requirements of each of the specific analytical methods, and are suitable for use in a diverse array of industries.

Product specifications are achieved through careful material selection and processing along with stringent internal quality control systems. Honeywell's approach to high purity products, reliability and environmental considerations is reflected by our ISO 9001 and RC 14001 certifications. Consistently meeting the requirements demanded by these global standards for quality management and environmental management demonstrates an uncompromising commitment to excellence in both areas. In addition, safety management is a vital part of Honeywell's integrated management system, and covers all safety processes.



## FEATURES

- Superior purity, stability and exceptional lot-to-lot consistency
- ISO 9001 and RC 14001 Certifications

## PACKAGING

- 4l, 2.5l, 2l and 1l bottles
- 500ml, 250ml, 235 ml, 100ml bottles
- PVC coated bottles are available for some products. This is denoted by a PC suffix added to the product number (Eg: 34851-2.5L-PC)

## SOLVENTS INCLUDE

- CHROMASOLV
- CHROMASOLV Plus
- CHROMASOLV AMD
- CHROMASOLV Gradient Grade
- CHROMASOLV Gradient Grade Plus
- CHROMASOLV LC-MS
- CHROMASOLV LC-MS Ultra
- CHROMASOLV GC
- CHROMASOLV GC-Headspace



**Spectroscopy, gradient grade and standard HPLC grade solvents for general purpose, routine analysis of mixture of compounds**

TYPICAL APPLICATIONS	INDUSTRIES
Demanding HPLC & UV Impurity Methods (Low level impurity detection near 10-20 nm of UV cut-off)	Chemical & Pharmaceutical
Solid Phase Extraction (SPE), Separation and Extraction	Bioanalytical & Related
Food Composition & Nutritional Labelling	Agro, Food & Beverage
HPLC, Pesticide and Metabolite Residues, and Capillary GC	Environmental

### Spectroscopy Solvents

PRODUCT NUMBER	PRODUCT NAME	PACKAGING
02850	Ethanol CHROMASOLV™ for UV-spectroscopy, ACS reagent, extra fine spirit, E15 o <sup>l</sup> , ~96% (v/v)	500ML, 1L, 2.5L

### Far UV/Gradient Solvents

PRODUCT NUMBER	PRODUCT NAME	PACKAGING
00683	Acetonitrile CHROMASOLV™ (gradient grade +), suitable for PAH analysis, ≥99.9% (GC)	2.5L
34998	Acetonitrile CHROMASOLV™ Plus, for HPLC, ≥99.9%	1L, 2.5L
34851	Acetonitrile CHROMASOLV™, for HPLC, gradient grade, ≥99.9%	1L, 2.5L, 4L
34888	Acetonitrile CHROMASOLV™, for HPLC, for UV, ≥99.9% (GC)	1L, 2.5L
34964	Ethanol CHROMASOLV™, absolute, for gradient elution, 99.9%	1L, 2.5L
2854	Ethanol CHROMASOLV™, gradient grade, ≥99.8%	1L, 2.5L
34885	Methanol CHROMASOLV™, gradient grade, for HPLC, ≥99.9%	100ML, 1L, 2.5L

### Standard HPLC Solvents

PRODUCT NUMBER	PRODUCT NAME	PACKAGING
650501	Acetone CHROMASOLV™ Plus, for HPLC, GC, and residue analysis, ≥99.9%	1L
34850	Acetone CHROMASOLV™, for HPLC, ≥99.8%	1L, 2.5L
270725	Acetone CHROMASOLV™, for HPLC, ≥99.9%	1L
34881	Acetonitrile CHROMASOLV™, for HPLC, ≥99.8% (GC)	1L, 2.5L
270709	Benzene CHROMASOLV™ Plus, for HPLC, ≥99.9%	1L, 2.5L
270318	Benzonitrile CHROMASOLV™, for HPLC, 99.9%	1L
34867	1-Butanol CHROMASOLV™ Plus, for HPLC, ≥99.7%	100ML, 1L, 2L, 2.5L
308250	tert-Butanol CHROMASOLV™, for HPLC, ≥99.5%	1L, 2.5L
34861	2-Butanone CHROMASOLV™, for HPLC, ≥99.7%	100ML, 1L, 2.5L
270687	Butyl acetate CHROMASOLV™ Plus, for HPLC, 99.7%	1L
650560	tert-Butyl methyl ether CHROMASOLV™ Plus, for HPLC, GC, and residue analysis, 99.9%	1L
34875	tert-Butyl methyl ether CHROMASOLV™, for HPLC, ≥99.8%	100ML, 1L, 2L, 2.5L
270660	Carbon disulfide CHROMASOLV™, for HPLC, ≥99.9%	100ML, 1L
270644	Chlorobenzene CHROMASOLV™, for HPLC, 99.9%	1L
34958	1-Chlorobutane CHROMASOLV™, for HPLC, ≥99.8%	1L, 2L, 2.5L
650471	Chloroform CHROMASOLV™ Plus, for HPLC, GC, and residue analysis, ≥99.9%, contains 0.5-1.0% ethanol as stabilizer	1L
650498	Chloroform CHROMASOLV™ Plus, for HPLC, GC, and residue analysis, ≥99.9%, contains amylene as stabilizer	1L
34854	Chloroform CHROMASOLV™, for HPLC, ≥99.8%, amylene stabilized	100ML, 1L, 2L, 2.5L
366927	Chloroform CHROMASOLV™, for HPLC, ≥99.8%, contains 0.5-1.0% ethanol as stabilizer	100ML, 1L, 2.5L
650455	Cyclohexane CHROMASOLV™ Plus, for HPLC, ≥99.9%	1L

Standard HPLC Solvents (continued)

PRODUCT NUMBER	PRODUCT NAME	PACKAGING
34855	Cyclohexane CHROMASOLV™, for HPLC, ≥99.7%	100ML, 1L, 2L, 2.5L
270601	Cyclopentane CHROMASOLV™, for HPLC, ≥75% cyclopentane basis	1L
270598	1,2-Dichlorobenzene CHROMASOLV™, for HPLC, 99%	1L
34872	1,2-Dichloroethane CHROMASOLV™, for HPLC, ≥99.8%	100ML, 1L
650463	Dichloromethane CHROMASOLV™ Plus, for HPLC, GC, and pesticide residue, ≥99.9%, contains 50-150 ppm amylene as stabilizer	1L
34856	Dichloromethane CHROMASOLV™, for HPLC, ≥99.8%, contains amylene as stabilizer	1L, 2.5L
309966	Diethyl ether CHROMASOLV™, for HPLC, ≥99.9%, inhibitor-free	100ML, 1L
307432	1,2-Dimethoxyethane CHROMASOLV™, for HPLC, 99.9%, inhibitor-free	1L
34869	Dimethyl sulfoxide CHROMASOLV™ Plus, for HPLC, ≥99.7%	100ML, 500ML, 1L, 2L, 2.5L
270555	N,N-Dimethylacetamide CHROMASOLV™ Plus, for HPLC, ≥99.9%	1L, 2.5L
270547	N,N-Dimethylformamide CHROMASOLV™ Plus, for HPLC, ≥99.9%	1L, 2.5L
34857	1,4-Dioxane CHROMASOLV™ Plus, for HPLC, ≥99.5%	500ML, 1L, 2.5L
2855	Ethanol CHROMASOLV™, absolute alcohol, without additive, A15 o1, ≥99.8%	250ML, 1L, 2.5L
34870	Ethanol CHROMASOLV™, absolute, for HPLC, sales not in Germany 1, ≥99.8% (GC)	1L, 2.5L
34852	Ethanol CHROMASOLV™, for HPLC, absolute, ≥99.8%	1L, 2.5L
650528	Ethyl acetate CHROMASOLV™ Plus, for HPLC, GC, and residue analysis, 99.9%	1L
34858	Ethyl acetate CHROMASOLV™, for HPLC, ≥99.7%	100ML, 1L, 2L, 2.5L
650536	Heptane CHROMASOLV™ Plus, for HPLC, GC, and residue analysis, 99%	1L
592579	Heptane CHROMASOLV™, for HPLC, ≥96%	1L
34873	Heptane CHROMASOLV™, for HPLC, ≥99%	100ML, 1L, 2.5L
650552	Hexane CHROMASOLV™ Plus, for HPLC, GC, and residue analysis, ≥95%	1L
270504	Hexane CHROMASOLV™, for HPLC, ≥95%	1L, 2.5L
34859	Hexane CHROMASOLV™, for HPLC, ≥97.0% (GC)	1L, 2.5L
293253	Hexane, mixture of isomers CHROMASOLV™, for HPLC, ≥98.5%	1L
34898	Methanol AMD CHROMASOLV™, ≥99.9%	2.5L
646377	Methanol CHROMASOLV™ Plus, for HPLC, ≥99.9%	1L, 2L
34860	Methanol CHROMASOLV™, for HPLC, ≥99.9%	1L, 2L, 2.5L
270482	2-Methoxyethanol CHROMASOLV™, for HPLC, ≥99.9%	1L
308269	2-Methoxyethyl acetate CHROMASOLV™, for HPLC, ≥99%	1L
45999	Methyl acetate CHROMASOLV™, for HPLC, ≥99.8%	250ML, 2.5L
293261	4-Methyl-2-pentanone CHROMASOLV™, for HPLC, ≥99.5%	1L
270466	2-Methyl-1-propanol CHROMASOLV™, for HPLC, 99.5%	1L
270342	2-Methylbutane CHROMASOLV™, for HPLC, GC, and residue analysis, ≥99.5%	1L, 2.5L
270458	1-Methyl-2-pyrrolidinone CHROMASOLV™ Plus, for HPLC, ≥99%	1L, 2.5L
293245	1-Octanol CHROMASOLV™, for HPLC, ≥99%	1L
34894	Pentane AMD CHROMASOLV™, ≥99%	2.5L
34956	Pentane CHROMASOLV™, for HPLC, ≥99.0%	1L, 2.5L
270334	3-Pentanone CHROMASOLV™, for HPLC, 96%	1L
471194	2-Pentanone CHROMASOLV™, for HPLC, 99.5%	1L
650447	2-Propanol CHROMASOLV™ Plus, for HPLC, GC, and residue analysis, 99.9%	1L, 2.5L

## Standard HPLC Solvents (continued)

PRODUCT NUMBER	PRODUCT NAME	PACKAGING
34863	2-Propanol CHROMASOLV™, for HPLC, ≥99.9%	100ML, 1L, 2L, 2.5L, 2.5L-PC
34871	1-Propanol CHROMASOLV™, for HPLC, ≥99.9%	1L, 2L, 2.5L
414220	Propylene carbonate CHROMASOLV™, for HPLC, 99.7%	1L
270407	Pyridine CHROMASOLV™ Plus, for HPLC, ≥99.9%	100ML, 1L
270741	Reagent Alcohol CHROMASOLV™, for HPLC	1L
270393	Tetrachloroethylene CHROMASOLV™, for HPLC, ≥99.9%	100ML, 1L
34865	Tetrahydrofuran CHROMASOLV™ Plus, inhibitor-free, for HPLC, ≥99.9%	100ML, 1L, 2L, 2.5L
650579	Toluene CHROMASOLV™ Plus, for HPLC, GC, and residue analysis, ≥99.9%	1L
34866	Toluene CHROMASOLV™, for HPLC, 99.9%	100ML, 1L, 2L, 2.5L
256412	1,2,4-Trichlorobenzene CHROMASOLV™, for HPLC, ≥99%	1L, 2L
34874	1,1,2-Trichloro-1,2,2-trifluoroethane CHROMASOLV™, for HPLC, ≥99.7% (GC)	1L, 2.5L
650439	2,2,4-Trimethylpentane CHROMASOLV™ Plus, for HPLC, GC and residue analysis, ≥99.5%	1L
34862	2,2,4-Trimethylpentane CHROMASOLV™, for HPLC, ≥99%	1L, 2L, 2.5L
34877	Water CHROMASOLV™ Plus, for HPLC gradient elution	1L, 2.5L
270733	Water CHROMASOLV™, for HPLC	1L, 2.5L, 4L
295884	o-Xylene CHROMASOLV™ Plus, for HPLC, 98%	1L
317195	p-Xylene CHROMASOLV™, for HPLC, ≥99%	1L

## Gas Chromatography and Headspace Gas Chromatography solvents for residue analysis as well as analysis of mixtures of compounds

TYPICAL APPLICATIONS	INDUSTRIES
Volatile Organic Compound Analysis	Chemical & Pharmaceutical
Hematology and Histology	Bioanalytical & Related
Pesticide residue analysis, nutritional labeling	Agro, Food & Beverage
Compounds and fluid analysis	Forensic
Drinking water analysis	Environmental

## GC Solvents

PRODUCT NUMBER	PRODUCT NAME	PACKAGING
34480	Acetone CHROMASOLV™ for pesticide residue analysis, ≥99.8% (GC)	1L, 2.5L
31062	Acetone CHROMASOLV™ for analysis of dioxins, furans and PCB, ≥99.8% (GC)	2.5L
414689	Acetone CHROMASOLV™ capillary GC grade, ≥99.9%	4L
34481	Acetonitrile CHROMASOLV™ for pesticide residue analysis, ≥99.9%	1L, 2.5L
34498	tert-Butyl methyl ether CHROMASOLV™ for pesticide residue analysis, ≥99.7%	1L, 2.5L
20257	tert-Butyl methyl ether CHROMASOLV™r for residue analysis, ≥99.0%	1L
25669	Chloroform CHROMASOLV™ contains ~1% ethanol as stabilizer, for residue analysis, ≥99.8%	1L, 2.5L
34496	Cyclohexane CHROMASOLV™ for pesticide residue analysis, ≥99.5% (GC)	1L, 2.5L
34488	Dichloromethane CHROMASOLV™ for pesticide residue analysis, ≥99.8% (GC)	1L, 2.5L

## GC Solvents (continued)

PRODUCT NUMBER	PRODUCT NAME	PACKAGING
34411	Dichloromethane CHROMASOLV™ for analysis of dioxins, furans and PCB, ≥99.8% (GC)	2.5L
34489	N,N-Dimethylformamide CHROMASOLV™ for pesticide residue analysis, ≥99.8% (GC)	2.5L
2851	Ethanol CHROMASOLV™ for pesticide residue analysis	1L, 2.5L
31063	Ethyl acetate CHROMASOLV™ for pesticide residue analysis	1L, 2.5L
34495	Heptane CHROMASOLV™ for pesticide residue analysis, ≥99% (GC)	1L, 2.5L
34412	Hexane CHROMASOLV™ for analysis of dioxins, furans and PCB, ≥95%	2.5L
34484	Hexane CHROMASOLV™ for pesticide residue analysis, ≥ 95% (GC)	1L, 2.5L
34493	Hexane CHROMASOLV™, mixture of isomers, for pesticide residue analysis	2.5L
52767	Hexane CHROMASOLV™ for residue analysis, ≥99.0%	1L, 2.5L
34485	Methanol CHROMASOLV™ for pesticide residue analysis, ≥99.9% (GC)	1L, 2.5L
414719	Methanol CHROMASOLV™ capillary GC grade, ≥99.9%	4L
414816	Methanol CHROMASOLV™ for GC/MS analysis of volatile organics, ≥99.9%	1L
34497	Pentane CHROMASOLV™ for pesticide residue analysis, ≥99% (GC)	1L, 2.5L
76866	Pentane CHROMASOLV™ for residue analysis (of high-volatile halogenated hydrocarbons), ≥99.0%	1L, 2.5L
76869	Pentane CHROMASOLV™ for residue analysis, ≥99.0%	1L, 2.5L
34491	Petroleum ether CHROMASOLV™ for pesticide residue analysis, low boiling point hydrogen treated naphtha, bp 40-600 C	1L, 2.5L
34486	2-Propanol CHROMASOLV™ for pesticide residue analysis, ≥99.8% (GC)	2.5L
20257	tert-Butyl methyl ether CHROMASOLV™ for residue analysis, ≥99.0%	1L
34494	Toluene CHROMASOLV™ for pesticide residue analysis acc. to FDA, ≥99.7% (GC)	1L, 2.5L
34413	Toluene CHROMASOLV™ for analysis of dioxins, furans and PCB, ≥99.7%	2.5L
34499	2,2,4-Trimethylpentane CHROMASOLV™ for pesticide residue analysis, ≥99% (GC)	1L, 2.5L
34478	Water CHROMASOLV™ for pesticide residue analysis	1L

## GC-Headspace Solvents

PRODUCT NUMBER	PRODUCT NAME	PACKAGING
80708	Benzyl alcohol CHROMASOLV™ GC-Headspace tested, ≥99.9% (GC)	1L
51779	Dimethyl sulfoxide CHROMASOLV™ GC-Headspace tested, ≥99.9%	100ML, 1L, 2.5L
44901	N,N-Dimethylacetamide CHROMASOLV™ GC-Headspace tested, ≥99.9%	1L
51781	N,N-Dimethylacetamide CHROMASOLV™ GC-Headspace tested, ≥99.9%	1L
67484	1,3-Dimethyl-2-imidazolidinone CHROMASOLV™ GC-Headspace tested, ≥99.5%	100ML, 1L
69337	1-Methyl-2-pyrrolidinone CHROMASOLV™ GC-Headspace tested, ≥99%	1L
53463	Water CHROMASOLV™ GC-Headspace tested	1L

## High purity LCMS and UHPLC-MS solvents for the most demanding applications

TYPICAL APPLICATIONS	INDUSTRIES
Drug Discovery and Metabolite Identification Studies (Unknown identification by LC-MS)	Chemical & Pharmaceutical
Genomics (Bio-State indicator ID and quantitation)	Bioanalytical & Related
LC-MS Pesticide Analysis at Trace Levels LC-MS TOF ID & Quantitation of trace level Food Processing & Packaging/Storage Contamination.	Agro, Food & Beverage
Unknown Impurity Identification and Quantitation (Low concentration; sample size restriction)	Environmental

### LC-MS Solvents

PRODUCT NUMBER	PRODUCT NAME	PACKAGING
34896	Acetonitrile AMD CHROMASOLV™, ≥99.9%	1L
34967	Acetonitrile LC-MS CHROMASOLV™, ≥99.9%	250ML, 1L, 2.5L
34955	Acetonitrile NMR CHROMASOLV™, for LC-NMR, ≥99.9% (GC)	500ML, 1L
34669	Acetonitrile with 0.1% ammonium acetate LC-MS CHROMASOLV™, ≥98%	1L, 2.5L
34976	Acetonitrile with 0.1% trifluoroacetic acid LC-MS CHROMASOLV™, >99.5%	2.5L
34972	Ethyl acetate LC-MS CHROMASOLV™, ≥99.7% (GC)	1L, 2.5L
34999	Heptane LC-MS CHROMASOLV™, ≥99%	1L, 2.5L
34986	Hexane LC-MS CHROMASOLV™, ≥97%	1L, 2.5L
34966	Methanol LC-MS CHROMASOLV™, ≥99.9%	1L, 2.5L
34965	2-Propanol LC-MS CHROMASOLV™, ≥99.9%	1L, 2.5L
34689	Rinsing Solution I rinsing agent for LC-MS, CHROMASOLV™ (rinsing agent for LC-MS)	1L
39253	Water LC-MS CHROMASOLV™	250ML, 500ML, 1L, 4L
34978	Water with 0.1% trifluoroacetic acid LC-MS CHROMASOLV™	1L, 2.5L

### UHPLC Solvents

PRODUCT NUMBER	PRODUCT NAME	PACKAGING
14261	Acetonitrile LC-MS Ultra CHROMASOLV™, tested for UHPLC-MS, ≥99.9% (GC)	1L, 2L
14272	Acetonitrile with 0.1% formic acid LC-MS Ultra CHROMASOLV™, tested for UHPLC-MS	2L
14262	Methanol LC-MS Ultra CHROMASOLV™, tested for UHPLC-MS, ≥99.9% (GC)	1L, 2L
14276	Methanol with 0.1% formic acid LC-MS Ultra CHROMASOLV™, tested for UHPLC-MS	2L
14263	Water LC-MS Ultra CHROMASOLV™, tested for UHPLC-MS	1L, 2L
14287	Water with 0.05% acetic acid LC-MS Ultra CHROMASOLV™, tested for UHPLC-MS	2L
14291	Water with 0.05% formic acid LC-MS Ultra CHROMASOLV™, tested for UHPLC-MS	2L
14289	Water with 0.05% trifluoroacetic acid LC-MS Ultra CHROMASOLV™, contains 0.045-0.055 % (w/w) trifluoroacetic acid as additive	2L
14282	Water with 0.1% acetic acid LC-MS Ultra CHROMASOLV™, tested for UHPLC-MS	2L
14281	Water with 0.1% formic acid LC-MS Ultra CHROMASOLV™, tested for UHPLC-MS	2L



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OUR COMMITMENT TO SUSTAINABILITY

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DS-001-0007-ENG | August 2018 v1 | 3413 RC  
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