

GREEN SOLVENTS –
FOR SUSTAINABLE CHEMISTRY

We promote the concept of Green Chemistry and the growing awareness of the environmental impact of chemical products and their manufacturing processes. Green solvents are an important part of sustainable chemistry. **CHEMSOLUTE®** offers solvents from renewable raw materials, recovered solvents (CHEMSOLUTE® Re-Sol), and green alternatives to widely used solvents.

RECOVERED SOLVENTS (CIRCULAR SOLVENTS):

The recovered solvents of the **CHEMSOLUTE®** Re-Sol range combine quality with responsible use of resources. Through modern recovery and purification processes, valuable solvents are reclaimed from existing material streams and, following rigorous quality control, reintroduced into the circular economy. Compared with production from petrochemical sources, this results in lower CO_2 emissions.

Description	GHS	Art. no.
Acetone Re-Sol, technical [1]		3101
NMP Re-Sol, technical [2]		6340
2-Propanol Re-Sol, technical [3]		3102
Xylene Re-Sol, technical [4]		3100

SOLVENTS FROM RENEWABLE RAW MATERIALS (BIO-BASED SOLVENTS):

Bio-based solvents derived from renewable raw materials are the sustainable alternative to fossil-based products.

Description	GHS	Art. no.
Bioethanol 96%, denatured with MEK, IPA and Bitrex® [5]		2209
Bioethanol 99%, denatured with MEK, IPA and Bitrex® [5]		2211
Glycerol, anhydrous puriss., Reag. Ph. Eur., Reag. BP, Reag. Ph. Franc., USP		2039
Glycerol, anhydrous p. a.		2036

[1] **Danger** H225 H319 H336 EUH066
[2] **Danger** H315 H319 H335 H360D
[3] **Danger** H225 H319 H336
[4] **Danger** H226 H312+H332 H315
[5] **Danger** H225 H319

CHEMSOLUTE®

Th. Geyer – We know Lab
As a family business, we have been there for our customers for more than 130 years to support them in their demanding tasks in analytics, research and science.

Laboratories in industry, clinics, universities and colleges as well as private and public research institutions rely on our experience and ISO-certified quality when purchasing their laboratory supplies: from personal support to fast, secure delivery and important services, we reliably cover everything needed for complete laboratory equipment as a partner.

Th. Geyer Brands
Our Th. Geyer brand trio BIOSOLUTE®, LABSOLUTE® and CHEMSOLUTE® offers you attractive alternatives when it comes to life science products, consumables and laboratory chemicals.

CHEMSOLUTE®
The perfect selection of chemicals for your demanding laboratory tasks: First-class laboratory chemicals, reagents and solutions – the perfect solution for your laboratory.

Laboratory chemicals from A-Z, measuring solutions, indicator solutions, chromatography reagents and much more. You can order all of these conveniently in our **webshop**.

ALTERNATIVE GREEN SOLVENTS

We define “green” alternatives to conventional solvents as products that comply with one or more of the 12 Principles of Green Chemistry developed by Paul T. Anastas and John C. Warner.

Description	GHS	Art. no.
Cyclopentyl methyl ether (CPME) synthesis grade [6]		2497
Dihydrolevoglucosenone p. a.		2322
Glycerol, anhydrous puriss., Reag. Ph. Eur., Reag. BP, Reag. Ph. Franc., USP		2039
Glycerol, anhydrous p. a.		2036
2-Methyltetrahydrofuran HPLC grade (unstabilised) [8]		1474
2-Methyltetrahydrofuran synthesis grade (stabilised with BHT) [8]		1483
1,3-Propanediol synthesis grade		1180
Propylene Carbonate [7]		6580

[1] **Danger** H225 H319 H336 EUH066
[2] **Danger** H315 H319 H335 H360D
[3] **Danger** H225 H319 H336
[4] **Danger** H226 H312+H332 H315
[5] **Danger** H225 H319
[6] **Danger** H225 H302 H315 H319
[7] **Attention** H319
[8] **Danger** H225 H302 H315 H318 H335

Art. no.	Description	Acetonitrile	DCM (Dichlormethane)	THF (Tetrahydrofuran)	DMSO (Dimethylsulfoxid)	DMF (Dimethylformamide)	MTBE (tert-Butyl methyl ether)	NMP (N-Methyl-2-pyrrolidone)	1,4-Dioxane	Diethyl ether	Toluene	Xylene	HMPT (Hexamethylphosphoric triamide)	Petroleum derivates
2497	Cyclopentyl methyl ether (CPME)			x	x		x		x	x				
2322	Dihydrolevoglucosenone					x		x						
2036, 2039	Glycerol anhydrous p. a.	x			x	x								
1474, 1483	2-Methyltetrahydrofuran		x	x						x				
1180	1,3-Propanediol													x
6580	Propylene carbonate	(x)	(x)		(x)	x		x						

(x) partially suitable

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Together, we will find the solution that best meets your needs.

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