

The Carbon content of Commonly Used Solvents

CARBON CONTENT OF OXYGENATED SOLVENTS

Family	Solvent	CAS Number*	Carbon content, %m
Alcohols	Methanol	67-56-1	37.5
	Ethanol / Industrial Methylated Spirits (IMS) / Denatured Ethanol	64-17-5	52.1
	n-Propanol	71-23-8	60.0
	Iso-Propanol	67-63-0	60.0
	n-Butanol	71-36-3	64.8
	Sec-Butanol	78-92-2	64.8
	Iso-Butanol	78-83-1	64.8
	Tert-Butanol	75-65-0	64.8
	Amyl Alcohol	71-41-0	68.1
	Iso-Amyl Alcohol	123-51-3	68.1
	Methyl Isobutyl Carbinol	108-11-2	70.5
	Diacetone Alcohol	123-42-2	62.0
Hexylene Glycol	107-41-5	61.0	
Esters	Methyl Acetate	79-20-9	48.6
	Ethyl Acetate	141-78-6	54.5
	n-Propyl Acetate	109-60-4	58.8
	Iso-Propyl Acetate	108-21-4	58.8
	n-Butyl Acetate	123-86-4	62.0
	Iso-Butyl Acetate	110-19-0	62.0
	Amyl Acetate	628-63-7	64.6
	n-Butyl Propionate	590-01-2	64.6
	Ethylene Glycol Diacetate	111-55-7	49.3
	Ethyl 3-Ethoxy Propionate	763-69-9	57.5
	2,2,4-Trimethyl-1,3-Pentanediol Isobutyrate	25265-77-4	66.6
Ethers	Tetrahydrofuran	109-99-9	66.6
	Diethyl Ether	60-29-7	64.8
	Diiso-Propyl Ether	108-20-3	70.5
Glycol Ethers	Ethylene Glycol Mono Isopropyl Ether	109-59-1	57.7
	Ethylene Glycol Mono Butyl Ether	111-76-2	61.0
	Diethylene Glycol Mono Methyl Ether	111-77-3	50.0
	Diethylene Glycol Mono Ethyl Ether	111-90-0	53.7
	Diethylene Glycol Mono Butyl Ether	112-34-5	59.2
	Propylene Glycol Mono Methyl Ether	107-98-2	53.3
	Propylene Glycol Mono Ethyl Ether	1569-02-4	57.7
	Propylene Glycol Mono n-Propyl Ether	30136-13-1	61.0
	Propylene Glycol Mono Butyl Ether	29387-86-8	63.6
	Dipropylene Glycol Mono Methyl Ether	34590-94-8	56.7
	Dipropylene Glycol Mono Ethyl Ether	30025-38-8	59.2
Dipropylene Glycol Mono Butyl Ether	29911-28-2	63.1	
Glycol Ether Esters	Propylene Glycol Mono Methyl Ether Acetate	108-65-6	54.5
	Propylene Glycol Mono Ethyl Ether Acetate	54839-24-6	57.5
	Ethylene Glycol Mono Butyl Ether Acetate	112-07-2	60.0
	Diethylene Glycol Mono Ethyl Ether Acetate	112-15-2	54.5
	Diethylene Glycol Mono Butyl Ether Acetate	124-17-4	58.8
Ketones	Acetone	67-64-1	62.0
	Methyl Ethyl Ketone	78-93-3	66.6
	Methyl n-Propyl Ketone	107-87-9	69.7
	Methyl Iso-Butyl Ketone	108-10-1	72.0
	Methyl Amyl Ketone	110-43-0	73.6
	Methyl Iso-Amyl Ketone	110-12-3	73.6
	Diethyl Ketone	96-22-0	69.7
	Diisobutyl Ketone	108-83-8	76.0
	Cyclohexanone	108-94-1	73.4
	Gamma-Butyrolactone	96-48-0	55.8
	Acetyl Acetone	123-54-6	60.0
	Isophorone	78-59-1	78.2

* The CAS Number is the Chemical Abstract Service Number - a number assigned to a chemical that identifies it world-wide.

CARBON CONTENT OF HYDROCARBON SOLVENTS

Family	Solvent	CAS Number*	Carbon content, %m
Cycloparaffins	Cyclopentane	287-92-3	85,6
	Cyclohexane	110-82-7	85,6
	Methylcyclohexane	108-87-2	85,6
Aliphatics	Pentane Blend (n- & iso-pentane mixtures)	109-66-0 / 78-78-4	83,3
	Hexane (technical grade)		84
	Isohexane (technical grade)		84
	Heptane (technical grade, de-aromatised)		84
	Aliphatic de-aromatised solvent 40/65		84
	Aliphatic de-aromatised solvent 60/95		84
	Aliphatic de-aromatised solvent 80/95		85
	Aliphatic de-aromatised solvent 80/110		85
	Aliphatic de-aromatised solvent 100/140		85
	Aliphatic de-aromatised solvent 135/165		85
	De-aromatised Mineral Spirit 150/200		85
	De-aromatised Mineral Spirit 175/220		85
	De-aromatised Mineral Spirit 200/250		85
De-aromatised Mineral Spirit 220/280	85		
De-aromatised Mineral Spirit 240/320	86		
Mineral Spirits	White Spirit 150/200 (Mineral Spirit)		86
	White Spirit 175/220 (Mineral Spirit)		86
	Heavy Mineral Spirit 200/250		86
	Heavy Mineral Spirit 240/320		86
Aromatics	Toluene	108-88-3	91,3
	Xylene (isomer mix)	1330-20-7	90,5
	Aromatic solvent 160/185		89
	Aromatic solvent 180/215		89
	Aromatic solvent 230/290		89
Isoparaffins	Isoparaffinic solvent 100/150		85
	Isoparaffinic solvent 150/190		85
	Isoparaffinic solvent 180/220		85
	Isoparaffinic solvent 200/300		85

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