

EU-LCI Master list

No.	CAS no.	Compound	EU-LCI (µg/m ³)	Status of EU-LCI value	Year of adoption
1		<i>Aromatic hydrocarbons</i>			
1-1	108-88-3	Toluene	2900	Derived EU-LCI	2013
1-2	100-41-4	Ethylbenzene	850	Derived EU-LCI	2013
1-3	1330-20-7 106-42-3 108-38-3 95-47-6	Xylene (o-, m-, p-) and mix of o-, m- and p-xylene isomers	500	Derived EU-LCI	2013
1-4*	98-82-8	Isopropylbenzene (cumene)	1700	Derived EU-LCI	2017
1-5	103-65-1	n-Propylbenzene	950	Derived EU-LCI	2013
1-6	108-67-8 95-63-6 526-73-8	Trimethylbenzene (1,2,3-,1,2,4-,1,3,5-)	450	Derived EU-LCI	2013
1-7	611-14-3	2-Ethyltoluene	550	Derived EU-LCI	2014
1-8	527-84-4 535-77-3 99-87-6 25155-15-1	Cymene (o-, m-, p-,) (1-isopropyl-2(3,4)-methylbenzene) and mix of o-, m-, and p-cymene	1000	Ascribed EU-LCI	2013
1-9	95-93-2	1,2,4,5-Tetramethylbenzene	250	Derived EU-LCI	2016
1-10	104-51-8	n-Butylbenzene	1100	Derived EU-LCI	2014
1-11	99-62-7 100-18-5	Diisopropylbenzene (1,3-, 1,4-)	750	Derived EU-LCI	2013
1-12	2189-60-8	Phenyl octane and isomers	1100	Derived EU-LCI	2013
1-13	104-72-3	Phenyl decane and isomers	-	No EU-LCI value due to insufficient data	2016
1-14	6742-54-7	Phenyl undecane and isomers	-	No EU-LCI value due to insufficient data	2016
1-15	4994-16-5	4-Phenyl cyclohexene (4-PCH)	-	No EU-LCI value due to insufficient data	2015
1-16	100-42-5	Styrene	250	Derived EU-LCI	2013
1-17*	98-83-9	2-Phenylpropene (α-methylstyrene)	1200	Derived EU-LCI	2018
1-18	637-50-3	1-Propenyl benzene (β-methyl styrene)		<i>Derivation pending</i>	
1-19	536-74-3	Phenyl acetylene	-	No EU-LCI value due to insufficient data	2015
1-20*	611-15-4 100-80-1 622-97-9 25013-15-4	Vinyl toluene (o-, m-, p-) and mix of o-, m-, and p-vinyl toluene	1200	Derived EU-LCI	2018
1-21	1074-17-5 1074-43-7	1-Methyl-2(3)-propylbenzene		<i>Derivation pending</i>	
1-22		Other alkylbenzenes, as long as individual isomers have not to be evaluated differently		<i>Derivation pending</i>	
1-23	91-20-3	Naphthalene	10	Derived EU-LCI	2015
1-24	91-17-8	Decahydronaphthalene		<i>Derivation pending</i>	
1-25	95-13-6	Indene	450	Ascribed EU-LCI	2013

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2		<i>Saturated aliphatic hydrocarbons (n-, iso- and cyclo-)</i>			
2-1	110-54-3	n-Hexane	4300	Derived EU-LCI	2016
2-2	110-82-7	Cyclohexane	6000	Ascribed EU-LCI	2013
2-3	108-87-2	Methyl cyclohexane	8100	Ascribed EU-LCI	2013
2-4*	142-82-5	n-Heptane	15000	Derived EU-LCI	2018
2-5*		Other saturated aliphatic hydrocarbons C6-C8	14000	Derived EU-LCI	2018
2-6		Other saturated aliphatic hydrocarbons C9-C16	6000	Ascribed EU-LCI	2013
2-7		Other saturated aliphatic hydrocarbons C17-C22		<i>Derivation pending</i>	
3		<i>Terpenes</i>			
3-1	498-15-7	3-Carene	1500	Ascribed EU-LCI	2013
3-2	80-56-8	α -Pinene	2500	Derived EU-LCI	2013
3-3	127-91-3	β -Pinene	1400	Ascribed EU-LCI	2013
3-4	138-86-3 5989-27-5 5989-54-8	Limonene	5000	Derived EU-LCI	2014
3-5		Other terpene hydrocarbons	1400	Ascribed EU-LCI	2013
4		<i>Aliphatic alcohols</i>			
4-1	75-65-0	2-Methyl-2-propanol (tert-butanol)	620	Ascribed EU-LCI	2013
4-2	78-83-1	2-Methyl-1-propanol	11000	Derived EU-LCI	2016
4-3	71-36-3	1-Butanol	3000	Ascribed EU-LCI	2013
4-4	71-41-0 30899-19-5 94624-12-1 6032-29-7 584-02-1 137-32-6 123-51-3 598-75-4 75-85-4 75-84-3	1-Pentanol (all isomers)	730	Ascribed EU-LCI	2013
4-5	111-27-3	1-Hexanol	2100	Ascribed EU-LCI	2013
4-6	108-93-0	Cyclohexanol	2000	Ascribed EU-LCI	2013
4-7	104-76-7	2-Ethyl-1-hexanol	300	Derived EU-LCI	2014
4-8	111-87-5	1-Octanol	1700	Derived EU-LCI	2016
4-9	123-42-2	4-Hydroxy-4-methyl-pentane-2-on (diacetone alcohol)	960	Ascribed EU-LCI	2013
4-10		Other C4 - C13 saturated alcohols n- and iso-		<i>Derivation pending</i>	
4-11	105-08-8	1,4-Cyclohexanedimethanol		<i>Derivation pending</i>	
5		<i>Aromatic alcohols</i>			
5-1*	108-95-2	Phenol	70	Derived EU-LCI	2017
5-2	128-37-0	BHT (2,6-di-tert-butyl-4-methylphenol)	100	Ascribed EU-LCI	2013
5-3	100-51-6	Benzyl alcohol	440	Ascribed EU-LCI	2013

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6		<i>Glycols, glycol ethers, glycol esters</i>			
6-1	107-21-1	Ethandiol (ethylenglykol)	3400	Derived EU-LCI	2016
6-2	96-49-1	Ethylene carbonate		<i>Derivation pending</i>	
6-3	7397-62-8	Butyl glycolate		<i>Derivation pending</i>	
6-4	111-46-6	Diethylene glycol	5700	Derived EU-LCI	2016
6-5	57-55-6	Propylene glycol (1,2-dihydroxypropane)	2100	Derived EU-LCI	2016
6-6	108-32-7	Propylene carbonate		<i>Derivation pending</i>	
6-7*	623-84-7	Propylene glycol diacetate	1600	Derived EU-LCI	2018
6-8	110-98-5 25265-71-8	Dipropylene glycol	670	Ascribed EU-LCI	2013
6-9	110-63-4	1,4-Butanediol	2000	Ascribed EU-LCI	2013
6-10*	107-41-5	Hexylene glycol (2-methyl-2,4-pentanediol)	3500	Derived EU-LCI	2018
6-11	6846-50-0	2,2,4-Trimethylpentanediol diisobutyrate	450	Ascribed EU-LCI	2013
6-12*	109-86-4	Ethylene glycol monomethyl ether (2-methoxyethanol)	100	Derived EU-LCI	2018
6-13*	110-49-6	2-Methoxyethyl acetate	150	Derived EU-LCI	2018
6-14	110-71-4	1,2-Dimethoxyethane		<i>Derivation pending</i>	
6-15	111-96-6	Diethylene glycol dimethyl ether (1-methoxy-2-(2-methoxy-ethoxy)-ethane)	28	Ascribed EU-LCI	2013
6-16	25265-77-4	2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate	600	Ascribed EU-LCI	2013
6-17	109-59-1	Ethylene glycol isopropylether (2-methylethoxyethanol)	220	Ascribed EU-LCI	2013
6-18	112-49-2	Triethylene glycol-dimethyl ether		<i>Derivation pending</i>	
6-19*	110-80-5	Ethylene glycol monoethyl ether (2-ethoxyethanol)	600	Derived EU-LCI	2016
6-20*	111-15-9	2-Ethoxyethyl acetate	900	Derived EU-LCI	2016
6-21	629-14-1	1,2-Diethoxyethane		<i>Derivation pending</i>	
6-22	111-90-0	Diethylene glycol monoethyl ether (2-(2-ethoxyethoxy)ethanol)	350	Ascribed EU-LCI	2013
6-23	2807-30-9	Ethylene glycol monoisopropyl ether (2-propoxyethanol)	860	Ascribed EU-LCI	2013
6-24	111-76-2	Ethylene glycol monobutylether (2-butoxyethanol)	1600	Derived EU-LCI	2016
6-25	112-07-2	2-Butoxyethyl acetate	2200	Derived EU-LCI	2016
6-26	112-34-5	Diethylene glycol monobutylether	670	Ascribed EU-LCI	2013
6-27	124-17-4	Diethylene glycol monomethyl ether acetate (butyldiglykolacetate, 2-(2-butoxyethoxy) ethyl acetate)	850	Ascribed EU-LCI	2013
6-28	122-99-6	2-Phenoxyethanol	60	Derived EU-LCI	2016
6-29	112-25-4	Ethylene glycol n-hexyl ether (2-hexoxyethanol)		<i>Derivation pending</i>	
6-30	112-59-4	Diethylene glycol n-hexyl ether (2-(2-hexoxyethoxy)-ethanol)		<i>Derivation pending</i>	
6-31*	107-98-2	Propylene glycol monomethyl ether (1-methoxy-2-propanol)	7900	Derived EU-LCI	2018
6-32	1589-47-5	1-Propylene glycol 2-methyl ether (2-methoxy-1-propanol)	19	Ascribed EU-LCI	2013

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6-33	70657-70-4	1-Propylene glycol 2-methyl ether acetate (2-methoxy-1-propyl acetate)	28	Ascribed EU-LCI	2013
6-34	7778-85-0	1,2-Propylene glycol dimethyl ether		<i>Derivation pending</i>	
6-35	34590-94-8	Dipropylene glycol monomethyl ether	3100	Ascribed EU-LCI	2013
6-36	88917-22-0	Dipropylene glycol monomethyl ether acetate		<i>Derivation pending</i>	
6-37	29911-27-1	Dipropylene glycol mono-n-propylether		<i>Derivation pending</i>	
6-38	29911-28-2 35884-42-5 132739-31-2	Dipropylene glycol mono-n(t)-butylether		<i>Derivation pending</i>	
6-39*	20324-33-8 25498-49-1	Tripropylene glycol mono-methylether	1200	Derived EU-LCI	2018
6-40	63019-84-1 89399-28-0 111109-77-4	Dipropylene glycol dimethyl ether	1300	Ascribed EU-LCI	2013
6-41	2517-43-3	3-Methoxy-1-butanol		<i>Derivation pending</i>	
6-42	1569-01-3 30136-13-1	1,2-Propylene glycol n-propylether		<i>Derivation pending</i>	
6-43	5131-66-8 29387-86-8 15821-83-7 63716-40-5	1,2-Propylene glycol n-butylether		<i>Derivation pending</i>	
6-44	104-68-7	Diethylene glycol phenylether		<i>Derivation pending</i>	
6-45	126-30-7	Neopentyl glycol		<i>Derivation pending</i>	
7		Aldehydes			
7-1	50-00-0	Formaldehyde	100	Derived EU-LCI	2016
7-2	75-07-0	Acetaldehyde	1200	Derived EU-LCI	2013
7-3	123-38-6	Propanal		<i>Derivation pending</i>	
7-4	123-72-8	Butanal	650	Derived EU-LCI	2013
7-5	110-62-3	Pentanal	800	Derived EU-LCI	2013
7-6	66-25-1	Hexanal	900	Derived EU-LCI	2013
7-7	111-71-7	Heptanal	900	Derived EU-LCI	2013
7-8	123-05-7	2-Ethyl-hexanal	900	Derived EU-LCI	2013
7-9	124-13-0	Octanal	900	Derived EU-LCI	2013
7-10	124-19-6	Nonanal	900	Derived EU-LCI	2013
7-11	112-31-2	Decanal	900	Derived EU-LCI	2013
7-12	4170-30-3 123-73-9 15798-64-8	2-Butenal (Crotonaldehyd)	5	Derived EU-LCI	2015
7-13	1576-87-0 764-39-6 31424-04-1	2-Pentenal	7	Derived EU-LCI	2015
7-14	6728-26-3 505-57-7 16635-54-4 1335-39-3 73543-95-0	2-Hexenal	7	Derived EU-LCI	2015

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7-15	2463-63-0 18829-55-5 57266-86-1 29381-66-6	2-Heptenal	7	Derived EU-LCI	2015
7-16	2363-89-5 2548-87-0 25447-69-2 20664-46-4	2-Octenal	7	Derived EU-LCI	2015
7-17	2463-53-8 18829-56-6 60784-31-8	2-Nonenal	7	Derived EU-LCI	2015
7-18	3913-71-1 2497-25-8 3913-81-3	2-Decenal	7	Derived EU-LCI	2015
7-19	2463-77-6 53448-07-0 1337-83-3	2-Undecenal	7	Derived EU-LCI	2015
7-20*	98-01-1	Furfural	10	Derived EU-LCI	2017
7-21*	111-30-8	Glutaraldehyde	1	Derived EU-LCI	2018
7-22	100-52-7	Benzaldehyde	-	No EU-LCI value due to insufficient data	2013
8		Ketones			
8-1	78-93-3	2-Butanone (ethylmethylketone)	20000	Derived EU-LCI	2016
8-2	563-80-4	3-Methyl-2-butanone	7000	Ascribed EU-LCI	2013
8-3	108-10-1	4-Methyl-2-pentanone (methylisobutylketone)	1000	Derived EU-LCI	2016
8-4	120-92-3	Cyclopentanone	900	Ascribed EU-LCI	2013
8-5	108-94-1	Cyclohexanone	410	Ascribed EU-LCI	2013
8-6	1120-72-5	2-Methylcyclopentanone		<i>Derivation pending</i>	
8-7	583-60-8	2-Methylcyclohexanone	2300	Ascribed EU-LCI	2013
8-8	98-86-2	Acetophenone	490	Ascribed EU-LCI	2013
8-9	116-09-6	1-Hydroxyacetone (1-hydroxy-2-propanone)		<i>Derivation pending</i>	
8-10	67-64-1	Acetone		<i>Derivation pending</i>	
9		Acids			
9-1	64-19-7	Acetic acid	1200	Derived EU-LCI	2016
9-2	79-09-4	Propionic acid	1500	Derived EU-LCI	2016
9-3*	79-31-2	Isobutanoic acid (isobutyric acid)	1800	Derived EU-LCI	2018
9-4*	107-92-6	Butanoic acid (butyric acid)	1800	Derived EU-LCI	2018
9-5*	75-98-9	2,2-Dimethylpropanoic acid (pivalic acid)	2100	Derived EU-LCI	2018
9-6*	109-52-4	n-Pentanoic acid (valeric acid)	2100	Derived EU-LCI	2018
9-7*	142-62-1	n-Hexanoic acid (caproic acid)	2100	Derived EU-LCI	2018
9-8*	111-14-8	n-Heptanoic acid	2100	Derived EU-LCI	2018
9-9*	124-07-2	n-Octanoic acid	2100	Derived EU-LCI	2018

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9-10	149-57-5	2-Ethylhexanoic acid	150	Derived EU-LCI	2014
10		Ester			
10-1	108-21-4	Propyl acetate (n-, iso-)	4200	Ascribed EU-LCI	2013
10-2	108-65-6	2-Methoxy-1-methylethyl acetate	2700	Ascribed EU-LCI	2013
10-3	107-31-3	Methylformate		<i>Derivation pending</i>	
10-4	592-84-7	n-Butyl formate		<i>Derivation pending</i>	
10-5	80-62-6	Methyl methacrylate	750	Derived EU-LCI	2016
10-6		Other methacrylates		<i>Derivation pending</i>	
10-7	110-19-0	Isobutyl acetate	4800	Ascribed EU-LCI	2013
10-8	123-86-4	n-Butyl acetate	4800	Ascribed EU-LCI	2013
10-9	103-09-3	2-Ethylhexyl acetate		<i>Derivation pending</i>	
10-10	96-33-3	Methyl acrylate	180	Ascribed EU-LCI	2013
10-11	140-88-5	Ethyl acrylate	200	Ascribed EU-LCI	2013
10-12	141-32-2	n-Butyl acrylate	110	Ascribed EU-LCI	2013
10-13	103-11-7	2-Ethylhexyl acrylate	380	Ascribed EU-LCI	2013
10-14		Other acrylates (acrylic acid esters)	110	Ascribed EU-LCI	2013
10-15	627-93-0	Dimethyl adipate	50	Ascribed EU-LCI	2013
10-16	106-65-0	Dimethyl succinate	50	Ascribed EU-LCI	2013
10-17	1119-40-0	Dimethyl glutarate	50	Ascribed EU-LCI	2013
10-18	71195-64-7	Diisobutyl glutarate		<i>Derivation pending</i>	
10-19	925-06-4	Diisobutyl succinate		<i>Derivation pending</i>	
10-20	105-75-9	Dibutyl fumarate	50	Ascribed EU-LCI	2013
10-21	105-76-0	Maleic acid dibutylester	50	Ascribed EU-LCI	2013
10-22	13048-33-4	Hexamethylene diacrylate	10	Ascribed EU-LCI	2013
10-23*	96-48-0	Butyrolactone	2800	Derived EU-LCI	2018
10-24	115-95-7	Linalool acetate		<i>Derivation pending</i>	
11		Chlorinated hydrocarbons			
11-1	127-18-4	Tetrachloroethene		<i>Derivation pending</i>	
11-2	56-23-5	Tetrachloromethane		<i>Derivation pending</i>	
11-3	106-46-7	1,4-Dichlorobenzene	150	Derived EU-LCI	2013
12		Others			
12-1	123-91-1	1,4-Dioxane	400	Derived EU-LCI	2015
12-2	105-60-2	Caprolactame	300	Derived EU-LCI	2013
12-3	872-50-4	N-methyl-2-pyrrolidon	1800	Derived EU-LCI	2016
12-4	556-67-2	Octamethylcyclotetrasiloxane (D4)	1200	Ascribed EU-LCI	2013
12-5	541-02-6	Decamethylcyclopentasiloxane (D5)		<i>Derivation pending</i>	
12-6	540-97-6	Dodecamethylcyclohexasiloxane (D6)		<i>Derivation pending</i>	
12-7	100-97-0	Hexamethylenetetramine	30	Ascribed EU-LCI	2013
12-8	96-29-7	2-Butanonoxime	15	Derived EU-LCI	2015

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12-9	126-73-8	Tributyl phosphate	300	Derived EU-LCI	2016
12-10	78-40-0	Triethyl phosphate		<i>Derivation pending</i>	
12-11	26172-55-4	5-Chloro-2-methyl-2H-isothiazol-3-one (CIT)	1	Ascribed EU-LCI	2013
12-12	2682-20-4	2-Methyl-4-isothiazolin-3-one (MIT)	100	Ascribed EU-LCI	2013
12-13*	121-44-8	Triethylamine	60	Derived EU-LCI	2017
12-14	109-99-9	Tetrahydrofuran		<i>Derivation pending</i>	
12-15	68-12-2	Dimethylformamide		<i>Derivation pending</i>	
12-16	107-50-6	Tetradecamethylcyclheptasiloxane (D7)		<i>Derivation pending</i>	
12-17	2687-91-4	N-Ethyl-2-pyrrolidone	400	Derived EU-LCI	2016

*new or altered