

WGK-classification of Hydrocarbonsolvents according to AwSV

11/01/2019

Substance Name	h -phrase environment	h -phrase human health	floater (appendix 1)	points (appendix 1)	EC number	WGK	reference number	Englisch naming	Remarks	
Category 1 : C9 Aromatics										
Hydrocarbons, C9, aromatics	H411	H304, H335, H336	yes	7	918-668-5		2	775	Hydrocarbon solvents: > 5 % Aromatics, not characterized as carcinogenic (H350)	
Category 2 : C10-C12 Aromatics										
Hydrocarbons, C10, aromatics, >1% naphthalene	H411	H304, H336, H351	yes	9	919-284-0		2	775	Hydrocarbon solvents: > 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C10, aromatics, <1% naphthalene	H411	H304, H336	yes	7	918-811-1		2	775	Hydrocarbon solvents: > 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C10-C13, aromatics, <1% naphthalene	H411	H304	yes	7	922-153-0		2	775	Hydrocarbon solvents: > 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C10-C13, aromatics, >1% naphthalene	H411	H304, H351	yes	9	926-273-4		2	775	Hydrocarbon solvents: > 5 % Aromatics, not characterized as carcinogenic (H350)	
Category 3 : C9-C14 Aliphatics (2-25% Aromatics)										
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	H412	H304, H372 (inhalation)	yes	5	919-164-8		2	775	Hydrocarbon solvents: > 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	H411	H304, H336, H372 (inhalation)	yes	7	919-446-0		2	775	Hydrocarbon solvents: > 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	H412	H304	yes	5	925-653-7		2	775	Hydrocarbon solvents: > 5 % Aromatics, not characterized as carcinogenic (H350)	
Category 4 : C14-C20 Aliphatics (2-25% Aromatics)										
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)	None	H304	yes	1	920-360-0		1	9167	Aliphatic Hydrocarbons with a content of aromatics < 30 % and boiling range between 180 GradC and 280 GradC	new registration number
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, aromatics (2-30 %)	H413	H304	yes	4	919-006-8		1	9167	Aliphatic Hydrocarbons with a content of aromatics < 30 % and boiling range between 180 GradC and 280 GradC	new registration number
Category 5 : C5 Aliphatics										
Normal-Pentane	H411	H304, H336	no	6	203-692-4		2	452	pentane	
Iso-Pentane (2-methylbutane)	H411	H304, H336	no	6	201-142-8		2	648	Isopentane	
Cyclopentane	H412	H304, H336	no	4	206-016-6		1	478	cyclopentane	
Hydrocarbons, C5, n-alkanes, isoalkanes	H411	H304, H336	no	6	921-577-3		2	9175	Isoparaffine, Siedebeginn <= 150 GradC	group assignment
Category 6 : 6 Aliphatics										
Normal-Hexane	H411	H304, H315, H336, H361, H373 (inhalation)	no	8	203-777-6		2	124	hexane	
Hydrocarbons, C6, isoalkanes, <5% n-hexane	H411	H304, H315, H336	no	6	931-254-9		2	9175	Isoparaffine, Siedebeginn <= 150 GradC	group assignment
Hydrocarbons, C6, n-alkanes, isoalkanes, cyclics, n-hexane rich	H411	H304, H315, H336, H361, H373 (inhalation)	no	8	925-292-5		2	9040	Hydrocarbons, C6, n-alkanes, iso-alkanes, cyclics, n-hexane rich	currently WGK 3

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Hydrocarbons, C5-C6, n-alkanes, isoalkanes, <5% n-hexane	H411	H304, H315, H336	no	6	922-114-8		2	9175	Isoparaffine, Siedebeginn <= 150 GradC	group assignment
Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	H411	H304, H315, H336	no	6	926-605-8		2	120	heptane and isomers	group assignment
Hydrocarbons, C5-C7, n-alkanes, isoalkanes, n-hexane rich	H411	H304, H315, H336, H361, H373 (inhalation)	no	8	930-397-4		2	120	heptane and isomers	group assignment
Category 7 : C7-C9 Aliphatics										
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	H411	H304, H315, H336	no	6	927-510-4		2	120	heptane and isomers	
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, >5% n-hexane	H411	H304, H315, H336, H361, H373 (inhalation)	no	8	924-168-8		2	120	heptane and isomers	group assignment
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	H411	H304, H315, H336	no	6	921-024-6		2	120	heptane and isomers	
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	H411	H304, H315, H336	no	6	920-750-0		2	479	n-Octane and isomers	
Hydrocarbons, C6-C10, n-alkanes, isoalkanes, >5% n-hexane	H411	H304, H315, H336, H361, H373 (inhalation)	no	8	920-191-2		2	9175	Isoparaffine, Siedebeginn <= 150 GradC	group assignment
Hydrocarbons, C7-C9, isoalkanes	H411	H304, H315, H336	no	6	921-728-3		2	9175	Isoparaffine, Siedebeginn <= 150 GradC	group assignment
Hydrocarbons, C7-C8, cyclics	H411	H304, H315, H336	no	6	927-033-1		2	2548	methylcyclohexane	
Normal-Heptane	H400-H410	H304, H315, H336	no	8	205-563-8		2	120	heptane and isomers	
Iso-Heptane	H400-H410	H304, H315, H336	no	8	250-610-8		2	120	heptane and isomers	
Normal-Octane	H400-H410	H304, H315, H336	no	8	203-892-1		2	479	n-Octane and isomers	
Iso-Octane (2,2,4-trimethylpentane)	H400-H410	H304, H315, H336	no	8	208-759-1		2	479	n-Octane and isomers	
Nonane	H400-H410	H304, H315, H336	no	8	203-913-4		2	479	n-Octane and isomers	
Category 8 : C9-C14 Aliphatics (<2% Aromatics)										
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	None	H304, H315, H336	yes	1	919-857-5		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	H412	H304, H336	yes	5	927-241-2		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C9-C11, isoalkanes, cyclics, <2% aromatics	H411	H304	yes	7	920-134-1		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	None	H304	yes	1	918-481-9		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C10-C13, isoalkanes, cyclics, <2% aromatics	H412	H304	yes	5	918-317-6		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	None	H304	yes	1	926-141-6		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C13-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics	None	H304	yes	1	917-488-4		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics	None	H304	yes	1	920-107-4		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C11-C14, isoalkanes, cyclics, <2% aromatics	None	H304	yes	1	927-285-2		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	

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Hydrocarbons, C10-C12, isoalkanes, <2% aromatics	H413	H304	yes	4	923-037-2		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	None	H304	yes	1	918-167-1		1	8077	Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	None	H304	yes	1	920-901-0		1	9174	Isoparaffine, Siedebeginn > 150 GradC	
Hydrocarbons, C10-C13, n-alkanes, <2% aromatics	None	H304	yes	1	929-018-5		1	9167	Aliphatic Hydrocarbons with a content of aromatics < 30 % and boiling range between 180 GradC and 280 GradC	
Hydrocarbons, C11-C14, n-alkanes, <2% aromatics	None	H304	yes	1	924-803-9		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C9-C11, cyclics, <2% aromatics	H411	H304, H315, H336	yes	7	925-894-8		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Decane	None	H304	yes	1	204-686-4		1	9420	decane	
Undecane	None	H304	yes	1	214-300-6		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	group assignment
Dodecane	None	H304	yes	1	203-967-9		1	7913	dodecane	
Tridecane	None	H304	yes	1	211-093-4		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	group assignment
Tetradecane	None	H304	yes	1	211-096-0		1	7914	tetradecane	
Isododecane (2,2,4,4,6,6-pentamethylheptane)	H413	H304	yes	4	236-757-0		1	8002	Isododecane	
Hydrocarbons, C10-C14 (even numbered), n-alkanes, isoalkanes, <2% aromatics	None	H304	yes	1	920-274-3		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C12-C16, isoalkanes, cyclics, < 2% aromatics	None	H304	yes	1	927-676-8		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, <2% aromatics	None	H304, H336	yes	1	940-725-8		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, <2% aromatics	None	H304	yes	1	940-726-3		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C12-C15, n-alkanes, isoalkanes, <2% aromatics	None	H304	yes	1	940-727-9		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, <2% aromatics	None	H304, H315, H336	yes	1	941-718-2		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C11-C16, n-alkanes, isoalkanes, <2% aromatics	None	H304	yes	1	942-085-5		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Category 9 : C14-C20 Aliphatics (<2% Aromatics)										
Hydrocarbons, C13-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	None	H304	yes	1	928-253-0		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	None	H304	yes	1	927-632-8		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics	None	H304	yes	1	919-029-3		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C13-C16, isoalkanes, cyclics, <2% aromatics	None	H304	yes	1	918-973-3		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C14-C19, isoalkanes, cyclics, <2% aromatics	None	H304	yes	1	920-114-2		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C14-C17, n-alkanes, <2% aromatics	None	H304	yes	1	917-828-1		1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	

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Pentadecane	None	H304	yes	1	211-098-1	1	9053	pentadecane	
Hexadecane	None	H304	yes	1	208-878-9	1	7915	hexadecane	
Isohexadecane (2,2,4,4,6,8,8-heptamethylnonane)	None	H304, H332	yes	1	224-506-8	1	8533	Hydrocarbons, C4, 1,3-butadiene-free, polymd., tetraisobutylene fraction, hydrogenated	
Heptadecane	None	H304	yes	1	211-108-4	1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Octadecane	None	H304	yes	1	209-790-3	1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Isoeicosane (Hydrocarbons, C4, 1,3-butadiene-free, polymd., pentaisobutylene fraction, hydrogenated)	None	H304	yes	1	297-627-7	1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Icosane	None	H304	yes	1	204-018-1	1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C14-C17, isoalkanes, cyclics, <2% aromatics	None	H304	yes	1	939-601-6	1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C17-C19, n-alkanes, <2% aromatics	None	H304	yes	1	937-158-3	1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C14-C15, n-alkanes, <2% aromatics	None	H304	yes	1	928-868-4	1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C14-C16, n-alkanes, isoalkanes, <2% aromatics	None	H304	yes	1	940-728-4	1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	
Hydrocarbons, C15-C19, n-alkanes, isoalkanes, <2% aromatics	None	H304	yes	1	940-730-5	1	27	Hydrocarbon solvents: < 5 % Aromatics, not characterized as carcinogenic (H350)	