Kjemikaliane som kan danna eksplosive peroksid kan delast inn i tre klassar etter kva risiko dei utgjer og etter kor lenge dei har vert lagra. Ein bør vera merksam på at listene ikkje er fullendt. Det kan vera stoff som kan vera peroksiddannande, men som ikkje er oppført i nokon av tabellane. Kollona med Merking er veiledanne, dvs. at dersom stoffa er levert i til dømes suspensjon kan R-setningane variera noko.

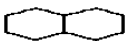
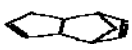
Kategori 1.

Oppløysingsmiddel og kjemikaliar der ein kan få farlige nivå av eksplosive peroksid ved lagring utan at ein oppkonsentrerar, dvs utan fordamping. Danninga av peroksid skjer berre på grunn av at stoffa vert eksponert for luft.
Anbefalt lagringstid i uopna tilstand: 1 år
Anbefalt lagringstid etter opna: 3 md.
Kontroll om danning av peroksid etter opning: kvar 3 md.
Anbefalt sendt som farleg avfall etter: 6 md.

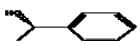
Namn	Cas. nr.	Formel	Merking
1,3-Butadiene (Butadien)	106-99-0	$CH_2CHCHCH_2$ væske	Stofflista: F+, T ; R12 Kreft1; R45 Mut2 ; R46
2-Chloro-1,3 butadiene (Chloropren; Neoprene)	126-99-8	$CH_2CClCHCH_2$	Stofflista: F, Xn ; R11 ; R20/22 ; R36
1,1-Dichloroethylen (Vinylidene chloride)	75-35-4	Cl_2CCH_2	Stofflista: F+, Xn ; R12 ; R20 ; R68
Diisopropyl ether (Isopropyl ether)	108-20-3	$(CH_3)_2CHOCH(CH_3)_2$	Stofflista: F ; R11 ; **R19** ; R66 ; R67
Divinyl acetylene	31014-03-6	$CH_2CHCCCHCH_2$	
Potassium amide		KNH_2	
Potassium metall	7440-09-7	K	Stofflista: F, C ; R14/15 ; R34
Sodium amide (Sodamide)	7782-92-5	$NaNH_2$	Sigma-Aldrich: F, C ; R14/15 ; **R19** ; R34
Tetrafluoroethylene	116-14-3	F_2CCF_2	

Kategori 2.

Oppløysingsmiddel og kjemikaliar der ein kan få danning av eksplosive peroksid ved oppkonsentrering, t.d. ved fordamping eller destillasjon.
Anbefalt lagringstid uopna tilstand: 18 md.
Anbefalt lagringstid etter opna: 6 md.
Kontroll om danning av peroksid etter opning: kvar 3 md.
Anbefalt sendt som farleg avfall etter: 12 md.

Namn	Cas. nr.	Formel	Merking
Benzylalkohol	100-51-6	$(C_6H_5)CH_2OH$	Stofflista: Xn ; R20/22
Bis(2-metoxy ethyl)ether (Diethylene glycol dimethyl ether; diglyme	111-96-6	$CH_3OCH_2CH_2OCH_2CH_2OCH_3$	Stofflista: T ; R10 ; **R19** Rep2; R60-61
1,3-Butadiyne (Diacetylene; Buta-1,3-diyn)	460-12-8	CHCCCH	
Butyl vinyl ether (1-(ethenyloxy)butane; Vinyl n-butyl ether)	111-34-2	$CH_3CH_2CH_2CH_2OCHCH_2$	Sigma-Aldrich: F ; R11 ; **R19**
Cyclohexanol	108-93-0	$C_6H_{11}OH$	Stofflista: Xn, ; R20/22 ; R37/38
Cyclohexene	110-83-8	C_6H_{10}	Sigma-Aldrich: F, Xn ; R11 ; R21/22
Cyclopentene	142-29-0	 C_5H_8	Sigma-Aldrich: F, Xn ; R11 ; R21/22 ; R36/37/38 ; R52/53
Decahydronaphthalene (cis/trans blanding) (Decalin)	91-17-8	 $C_{10}H_{18}$	Sigma-Aldrich: C, N ; R20 ; R34 ; R51/53
Dicyclopentadiene (1,3-Cyclopentadiene; 3a,4,7,7a-tetrahydro-4,7-methanoindene)	77-73-6	 $C_{10}H_{12}$	Stofflista: F, Xn, N ; R11 ; R20/22 ; R36/37/38 ; R51/53
1,1-Diethoxyethane (Acetal; Acetaldehyde diethyl acetal	105-57-7	$CH_3CH_2OC(CH_3)OCH_2CH_3$	Stofflista: F, Xi ; R11 ; R36/38

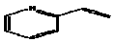
Diethyl ether (Ether; Ethyl ether)	60-29-7	$CH_3CH_2OCH_2CH_3$	Stofflista: F+, Xn ; R12 ; **R19** ; R22 ; R66 ; R67
1,2-Dimethoxyethane (Ethylene glycol dimethyl eter; glyme)	110-71-4	$CH_3OCH_2CH_2OCH_3$	Stofflista: Xn ; R10 ; **R19** ; R20
1,2-Dioxane (o-Dioxane)	5703-46-8	 $C_4H_8O_2$	
1,3-Dioxane (m-Dioxane)	505-22-6	 $C_4H_8O_2$	Sigma-Aldrich: F, Xn ; R11 ; **R19** ; R20/21/22
1,4-Dioxane (p-Dioxane; Dioxane)	123-91-1	 $C_4H_8O_2$	Stofflista: F, Xn ; R11 ; **R19** ; R36/37 Kreft3; R40 ; R66
Divinyl ether (Vinyl ether)	109-93-3	$CH_2CHOCHCH_2$	
Ethyl vinyl ether (Ethoxyethene; Vinyl ethyl ether)	109-92-2	$CH_3CH_2OCHCH_2$	Sigma-Aldrich: F, Xi ; R12 ; **R19** ; R36/37/38
4-Heptanol	589-55-9	$CH_3(CH_2)_2CH(OH)(CH_2)_2CH_3$	
2-Hexanol	626-93-7	$CH_3CH(OH)CH_2CH_2CH_2CH_3$	Sigma-Aldrich: Xi ; R10 ; R36/37/38
3-Methyl-1-butanol (Isoamyl Alcohol; 3-Methylbutanol)	123-51-3	$(CH_3)_2CHCH_2CH_2OH$	Sigma-Aldrich: Xn ; R10 ; R22 ; R37/38 ; R41
Methylcyclopentane	96-37-7	 C_6H_{12}	Sigma-Aldrich: F, Xn ; R11 ; R22 ; R36/37/38 ; R65
4-Methyl-2-pentanol (Methyl Isobutyl Carbinol; sec-Hexyl Alcohol)	108-11-2	$(CH_3)_2CHCH_2CH(OH)CH_3$	Stofflista: Xi ; R10 ; R37

Methyl isobutyl ketone (2-methyl-4-pentanone)	108-10-1	$CH_3COCH_2CH(CH_3)_2$	Stofflista: F, Xn ; R11 ; R20 ; R36/37 ; R66
Methyl vinyl ether (Methoxyethene; Vinyl methyl ether)	107-25-5	CH_3OCHCH_2	Stofflista: F+ ; R12
2-Pentanol (sec-Amyl Alcohol; Pentan-2-ol)	6032-29-7	$CH_3CH_2CH_2CH(OH)CH_3$	Sigma-Aldrich: Xn ; R10 ; R20
4-Penten-1-ol	821-09-0	$CH_2CHCH_2CH_2CH_2OH$	Sigma-Aldrich: ; R10
1-Phenylethanol (alpha-Methylbenzyl alcohol; 1-phenylethan-1-ol)	98-85-1	 $C_8H_{10}O$	Sigma-Aldrich: Xn ; R22 ; R38 ; R41
2-phenylethanol (Phenethyl alcohol; 1-Phenyl-2-ethanol; Hydroxyethylbenzene)	60-12-8	 $C_8H_{10}O$	Sigma-Aldrich: Xn ; R21/22 ; R36/38
2-Phenylpropane (Cumene; Methyl ethyl benzene; Isopropylbenzene;	98-82-8	$CH_3CH(C_6H_5)CH_3$	Stofflista: Xn; N ; R10 ; R37 ; R51/53 ; R65
2-Propanol (Isopropanol; Isopropyl alcohol)	67-63-0	$CH_3CH(OH)CH_3$	Stofflista: F, Xi ; R11 ; R36 ; R67
1-Propyne (Methyl acetylene	74-99-7	CH_3CCH	
Tetrahydrofuran (1,4-Epoxybutane)	109-99-9	 C_4H_8O	Stofflista: F, Xi ; R11 ; **R19** ; R36/37
1,2,3,4-Tetrahydronaphthalene (Tetrahydronaphthalene; Tetralin)	119-64-2	 $C_{10}H_{12}$	Stofflista: Xi, N ; **R19** ; R36/38 ; R51/53

Kategori 3.

Oppløysingsmiddel og kjemikaliar der peroksid danning kan skje ved polymerisering.
Anbefalt lagringstid uopna tilstand: 18 md.
Anbefalt lagringstid etter opna: 6 md.
Kontroll om danning av peroksid etter opning: kvar 3 md.
Anbefalt sendt som farleg avfall etter: 12md.

Namn	Cas. nr.	Formel	Merking
Acrylic acid (2-Propenoic acid, Vinylformic Acid)	79-10-7	$CH_2CHCOOH$	Stofflista: C, N ; R10 ; R20/21/22 ; R35 ; R50
Acrylonitrile (2-Propenenitrile)	107-13-1	CH_2CHCN	Stofflista: F, T, N ; R11 ; R23/24/25 ; R37/38 ; R41 ; R43 Kreft2 ; R45 ; R51/53
Butadiene (1,3-butadiene)	106-99-0	$CH_2CHCHCH_2$ GASS	Stofflista: F+, T ; R12 Kreft1; R45 Mut2 ; R46
Chloroprene (2-Chloro-1,3-butadiene, Neoprene)	126-99-8	$CH_2CClCHCH_2$	Stofflista: F, Xn ; R12 ; R20/22 ; R36
Chlorotrifluoroethylene (Trifluorochloroethylene, Trifluorovinyl Chloride)	79-38-9	CF_2CFCl GASS	Sigma-Aldrich: F, T ; R11 ; R23
Methyl methacrylate, (Methyl 2-Methyl-2-Propenoate, 2-Methylacrylic acid methyl ester, Methyl 2-methylpropenoate)	80-62-6	$CH_2C(CH_3)COOCH_3$	Stofflista: F, Xi ; R11 ; R37/38 ; R43
Styrene (Vinyl benzene, styropol)	100-42-5	 $C_8H_{10}O$	Stofflista: Xn ; R10 ; R20 ; R36/38
Tetrafluoroethylene (Perfluoroethene, Tetrafluorethene)	116-14-3	CF_2CF_2 GASS	

Vinyl acetate (Acetic acid ethenyl ester, Ethenyl acetate)	108-05-4	$CH_3COOCHC_2$	Stofflista: F ; R11
Vinyl acetylene (1-Buten-3-yne)	689-97-4	CH_2CHCCH GASS	
Vinyl chloride (Chloroethene, Chloroethylene)	75-01-4	CH_2CHCl GASS	Stofflista: F+, T ; R12 Kreft1; R45
Vinylpyridine	1337-81-1	 C_7H_7N	
Vinylidene Chloride (1,1-Dichloroethene)	75-35-4	CCl_2CH_2	Stofflista: F+, Xn ; R12 ; R20 ; R68