



DRH = Humidité relative d'équilibre = humidité relative de déliquescence

D'après M. Steiger, www.salzwiki.de

Salz	0 °C	10 °C	20 °C	30 °C	40 °C	50 °C
NaCl	75.9	75.6	75.4	75.2	75.0	74.8
NaNO ₃	80.1	77.7	75.3	72.8	70.4	68.0
Na ₂ SO ₄	98.8 ⁽¹⁾	97.8 ⁽¹⁾	95.6 ⁽¹⁾	90.1 ⁽¹⁾	87.9	88.4
KCl	88.3	86.7	85.0	83.5	82.1	80.7
KNO ₃	97.0	95.5	93.7	91.5	88.9	85.9
MgCl ₂ ·6H ₂ O	34.1	33.7	33.1	32.4	31.5	30.5
Mg(NO ₃) ₂ ·6H ₂ O	61.3	58.6	55.7	52.5	49.2	45.7
MgSO ₄ ·7H ₂ O	94.5	93.1	91.3	89.1	86.3	83.2 ⁽²⁾
CaCl ₂ ·6H ₂ O	44.3	39.4	33.3	21.6 ⁽³⁾	18.4 ⁽³⁾	16.3 ⁽⁴⁾
Ca(NO ₃) ₂ ·4H ₂ O	63.8	58.8	53.1	46.0	35.5	21.3 ⁽⁵⁾

⁽¹⁾ Na₂SO₄·10H₂O, ⁽²⁾ MgSO₄·6H₂O, ⁽³⁾ CaCl₂·4H₂O, ⁽⁴⁾ CaCl₂·2H₂O, ⁽⁵⁾ Ca(NO₃)₂·3H₂O

Humidités relatives d'équilibre = humidités relatives de déliquescence pour quelques sels (purs)

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Formula	Molecular mass (g/mol)	% H2O (w)	Name FR	Name EN	solubility (g/l) / 20°C	Relative humidity of deliquescence or equilibrium (%)
(NH4)2Mg(SO4)2.6H2O	360.6	30.0	boussingaultite	boussingaultite	159 (0°C), 1300 (100°C)	
Ca(C2O4).2H2O	164.13	22.0	weddellite	weddellite	~ 0	
Ca(C2O4).H2O	146.11	12.3	whewellite	whewellite	~ 0	
Ca(HCO2)2	130.11	0.0	formiate de calcium	calcium formate	162 (0°C)	
Ca(NO3)2.4H2O	236.15	30.5	nitrocalcite	nitrocalcite	2660	56,5% (10°C), 53,6% (20°C), 50,5% (25°C)
Ca3Si(OH)6(CO3)(SO4).12H2O	622.61	34.7	thaumasite	thaumasite		
Ca6Al2(SO4)3(OH)12.26H2O	1255.09	37.3	ettringite	ettringite		
CaCl2.6H2O	219.08	49.3	antarctite	antarctite	5360	33,7% (10°C), 30,8% (20°C), 22,4% (30°C)
CaCO3	100.09	0.0	calcite	calcite	0.014 (25°C)	
CaMg(CO3)2	184.41	0.0	dolomite	dolomite	0,078 (18°C)	
CaMg2Cl6.12H2O	517.59	41.8	tachyhydrite	tachyhydrite		
CaSO4.0,5H2O	145.15	6.2	hémihydrate, bassanite	Plaster of Paris	3	
CaSO4.2H2O	172.17	20.9	gypse	gypsum	2.14	
K2Ca(SO4)2.H2O	328.42	5.5	syngénite	syngenite	2.5	
K2Ca5(SO4)6.H2O	872.96	2.1	görgeyit	görgeyite		
K2Mg(SO4)2.6H2O	402.76	26.8	picromérite	picromerite	250	
K2SO4	174.5	0.0	sulfate de potassium	arcanite	111.5	98,2% (10°C), 97,6% (20°C), 97% (30°C)
K3Na(SO4)2	332.42	0.0	glaserite	glaserite		
K3Na7Mg2(SO4)6(NO3)2.6H2O	1135.3	9.5	humberstonite	humberstonite		
KAl3(OH)6(SO4)2	414.21	0.0	alunite			
KCl	74.56	0.0	sylvine	sylvite	344	86,8% (10°C), 84,3% (25°C)
KHCO3	100.12	0.0	bicarbonate de potassium	Potassium bicarbonate	333	
KNO3	101.11	0.0	nitrate de potassium, salpêtre	niter	315	94,6% (20°C), 93,6% (25°C)
Mg(HCO2)2.2H2O	150.37	24.0	formiate de magnésium	magnesium formate	140 (0°C)	
Mg(NO3)2.6H2O	256.41	42.2	nitromagnésite	nitromagnesite	705	57,4% (10°C), 54,4% (20°C), 51,4% (30°C)
Mg5(CO3)4(OH)2.4H2O	467.63	15.4	hydromagnésite	hydromagnesite		
MgCl2.6H2O	203.31	53.2	bischofite	bischofite	543	33,5% (10°C), 33,1% (20°C), 32,4% (30°C)
MgCO3	84.32	0.0	magnésite	magnesite	0.106	
MgCO3.3H2O	138.37	39.1	nesquehonite	nesquehonite	1.79 (16°C)	
MgCO3.5H2O	174.4	51.7	lansfordite	lansfordite		
MgSO4.6H2O	212.47	50.9	hexahydrite	hexahydrite	660	
MgSO4.7H2O	246.48	51.2	epsomite	epsomite	710	90,1% (20°C) 94% (30°C)
MgSO4.H2O	138.39	13.0	kiesérite	kieserite	684 (100°C)	
Na10Ca3(SO4)8.6H2O	1226.72	8.8	hydroglauberite	hydroglauberite		
Na2CO3.10H2O	286.14	63.0	natron	natron	215.8	96,5% (15°C), 97,9% (20°C), 88,2% (25°C), 83,2% (30°C)
Na2CO3.H2O	124	14.5	thermonatrite	thermonatrite	330	71% (35°C)
Na2Mg(SO4)2.4H2O	334.48	21.5	blödite	astrakhanite		
Na2SO4	142.04	0.0	thénardite	thenardite	162	
Na2SO4.10H2O	322.19	55.9	mirabilite	mirabilite	900	93,6 (20°C) ; 90% (23°C) ; 87% (25°C)
Na3(SO4)(NO3).H2O	245.05	7.4	darapskite	darapskite		
Na3H(CO3)2.2H2O	226.03	15.9	trona	trona	130 (0°C)	
NaCl	58.44	0.0	halite	halite	358	75,7 (10°C), 73,3 (25°C)
NaHCO3	84	0.0	hydrogénocarbonate de sodium	baking soda	96	
NaNO3	84.99	0.0	nitronatrite	nitratine	880	77,5% (10°C), 75,2% (20°C), 74,3% (25°C)
NH4NO3	80.04	0.0	nitrate d'ammonium, ammonitrate	Ammonium nitrate	1787	65% (20°C), 61,8% (25°C)