

# Chlorine production plants January 2015



COUNTRY	NUMBER ON MAP	COMPANY	SITE	NAMEPLATE CAPACITY (000 TONNES CHLORINE)	Hg	D	M	OTHERS
Austria	1	Donau Chemie	Brückl	70			70	
<b>AUSTRIA TOTAL</b>				<b>70</b>	<b>0</b>	<b>0</b>	<b>70</b>	<b>0</b>
Belgium	3	Solvin	Antwerp	460	110		350	
Belgium	4	Solvic	Jemeppe	174			174	
Belgium	5	INEOS ChlorVinyls	Tessenderlo *	400	205		270	
<b>BELGIUM TOTAL</b>				<b>1,034</b>	<b>315</b>	<b>0</b>	<b>794</b>	<b>0</b>
Czech Republic	6	Spolana	Neratovice	135	135			
Czech Republic	7	Spolchemie	Usti	61	61			
<b>CZECH REPUBLIC TOTAL</b>				<b>196</b>	<b>196</b>	<b>0</b>	<b>0</b>	<b>0</b>
Finland	8	AkzoNobel	Oulu	40	40			
Finland	9	Kemira	Joutseno	75			75	
<b>FINLAND TOTAL</b>				<b>115</b>	<b>40</b>	<b>0</b>	<b>75</b>	<b>0</b>
France	10	PPChemicals	Thann	72	72			
France	11	Vencorex	Pont de Claix	170		170		
France	12	Kem One	Fos	340		179	161	
France	13	Arkema	Jarrie	72	0		72	
France	14	Kem One	Lavera	363	164	199		
France	15	Arkema	St-Auban	20			20	
France	16	MSSA	Pomblière	42				42
France	17	PC Harbonnières	Harbonnières	23	23			
France	18	Solvay	Tavaux	360			360	
France	19	PC Loos	Loos	18	18			
<b>FRANCE TOTAL</b>				<b>1,480</b>	<b>277</b>	<b>548</b>	<b>613</b>	<b>42</b>
Germany	20	BASF	Ludwigshafen	385	170		215	
Germany	21	Bayer MaterialScience	Dormagen	480			400	80
Germany	22	Bayer MaterialScience	Leverkusen	365			365	
Germany	23	Bayer MaterialScience	Uerdingen	280			280	
Germany	24	Bayer MaterialScience	Brunsbüttel	210				210
Germany	25	Dow	Schkopau	250			250	
Germany	26	Vinnolit (Westlake)	Knapsack	250			250	
Germany	27	CABB GmbH	Gersthofen	55			55	
Germany	28	Dow	Stade	1,585		1,030	555	

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Germany	29	AkzoNobel	Ibbenbüren	125	125			
Germany	30	AkzoNobel	Bitterfeld	99			99	
Germany	31	Evonik Industries	Lülsdorf	137	137			
Germany	33	AkzoNobel	Frankfurt	167	167		0	
Germany	34	Solvay	Rheinberg	220		110	110	
Germany	35	Vestolit	Marl	260			260	
Germany	36	Vinnolit (Westlake)	Gendorf	180			180	
Germany	37	Wacker Chemie	Burghausen	50			50	
Germany	96	Leuna-Harze	Leuna	15			15	
<b>GERMANY TOTAL</b>				<b>5,113</b>	<b>599</b>	<b>1,140</b>	<b>3,084</b>	<b>290</b>
Greece	94	Kapachim	Inofita Viotias	4			4	
Greece	95	Unilever Knorr	Marousi	20			20	
<b>GREECE TOTAL</b>				<b>24</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>0</b>
Hungary	39	Borsodchem	Kazincbarcika	323	131		192	
<b>HUNGARY TOTAL</b>				<b>323</b>	<b>131</b>	<b>0</b>	<b>192</b>	<b>0</b>
Ireland	40	MicroBio	Fermoy	9			9	
<b>IRELAND TOTAL</b>				<b>9</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>0</b>
Italy	41	Altair Chimica	Volterra	39			39	
Italy	42	Solvay	Bussi	25			25	
Italy	44	Syndial	Assemini	25			25	
Italy	49	Solvay	Rosignano	150			150	
Italy	50	HydroChem Italia	Pieve Vergonte	42	42			
Italy	93	Fater S.p.A.	Campochiaro	20			20	
<b>ITALY TOTAL</b>				<b>301</b>	<b>42</b>	<b>0</b>	<b>259</b>	<b>0</b>
The Netherlands	51	AkzoNobel	Botlek	637			637	
The Netherlands	52	AkzoNobel	Delfzijl	121			121	
The Netherlands	54	Sabic	Bergen op Zoom	89			89	
<b>THE NETHERLANDS TOTAL</b>				<b>847</b>	<b>0</b>	<b>0</b>	<b>847</b>	<b>0</b>
Norway	55	Borregaard	Sarpsborg	46			46	
Norway	56	Elkem	Bremanger	10			10	
Norway	57	INEOS ChlorVinyls	Rafnes	260			260	
<b>NORWAY TOTAL</b>				<b>316</b>	<b>0</b>	<b>0</b>	<b>316</b>	<b>0</b>
Poland	58	PCC Rokita	Brzeg Dolny	131	77		54	



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Poland	60	Anwil	Wloclawek	214			214	
<b>POLAND TOTAL</b>				<b>345</b>	<b>77</b>	<b>0</b>	<b>268</b>	<b>0</b>
Portugal	62	CUF	Estarreja	122			78	44
<b>PORTUGAL TOTAL</b>				<b>122</b>	<b>0</b>	<b>0</b>	<b>78</b>	<b>44</b>
<i>Romania</i>	<i>91</i>	<i>Oltchim</i>	<i>Rimnicu Valcea</i>	<i>105</i>	<i>0</i>		<i>105</i>	
Romania	92	Chimcomplex	Borzesti	96			96	
<b>ROMANIA TOTAL</b>				<b>201</b>	<b>0</b>	<b>0</b>	<b>201</b>	<b>0</b>
<i>Slovak Republik</i>	<i>63</i>	<i>Fortischem</i>	<i>Novaky</i>	<i>76</i>	<i>76</i>			
<b>SLOVAK REPUBLIK TOTAL</b>				<b>76</b>	<b>76</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>Slovenia</i>	<i>88</i>	<i>TKI Hrastnik</i>	<i>Hrastnik</i>	<i>16</i>			<i>16</i>	
<b>SLOVENIA TOTAL</b>				<b>16</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>0</b>
Spain	64	Ercros	Huelva/Palos	48	48			
Spain	65	Ercros	Sabinanigo	30			30	
Spain	66	Ercros	Vilaseca	190	135		55	
Spain	67	Electroquimica Hernani	Hernani	15			15	
Spain	68	Elnosa	Pontevedra/Lourizan	34	34			
Spain	69	Ercros	Flix	78	78			
Spain	70	Quimica del Cinca	Monzon	31	0		31	
Spain	71	Hispanic	Martorell	218	218			
Spain	72	Solvay	Torrelavega	63	63			
<b>SPAIN TOTAL</b>				<b>707</b>	<b>576</b>	<b>0</b>	<b>131</b>	<b>0</b>
Sweden	75	INEOS ChlorVinyls	Stenungsund	120	120			
<b>SWEDEN TOTAL</b>				<b>120</b>	<b>120</b>	<b>0</b>	<b>0</b>	<b>0</b>
Switzerland	77	CABB-AG	Pratteln	27	27			
<b>SWITZERLAND TOTAL</b>				<b>27</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>0</b>
UK	82	INEOS ChlorVinyls	Runcorn	707	277		430	
UK	85	Brenntag	Thetford	7			7	
UK	97	Industrial Chemicals Ltd	West Thurrock	15			15	
<b>UK TOTAL</b>				<b>729</b>	<b>277</b>	<b>0</b>	<b>452</b>	<b>0</b>
<b>GRAND TOTAL</b>				<b>12,171</b>	<b>2,753</b>	<b>1,688</b>	<b>7,429</b>	<b>376</b>
<b>PER PROCESS</b>					<b>22.6%</b>	<b>13.9%</b>	<b>61.0%</b>	<b>3.1%</b>

Process: Hg = mercury M = membrane D = diaphragm Others = electrolysis of HCl to Cl<sub>2</sub> or molten salt electrolysis  
 Euro Chlor members are indicated in non-italic

\* Total combined production capacity of the Tessenderlo site Permit = 400 kt Cl<sub>2</sub>/yr