

## 1790 Analytics Patent Scorecard (2019) - Chemicals

Industry	Rank	Organization (Parent)	Country	2019 US Patents	Pipeline Growth Index	Pipeline Impact	% Self-Citations	Adjusted Pipeline Impact	Pipeline Generality	Pipeline Originality	Pipeline Power
Chemicals	1	Degussa (RAG Foundation)	Germany	161	1.00	2.03	83.2%	0.95	3.51	1.01	545.27
Chemicals	2	Evonik (RAG Foundation)	Germany	196	1.03	1.74	79.8%	0.88	2.92	0.99	510.11
Chemicals	3	LG Chem Ltd.	S.Korea	797	1.27	0.57	42.3%	0.50	0.72	1.05	384.73
Chemicals	4	BASF SE	Germany	612	1.20	0.62	40.9%	0.55	0.82	0.98	326.56
Chemicals	5	Saudi Basic Industries	Saudi Arabia	208	1.26	1.05	40.9%	0.93	1.30	0.89	283.29
Chemicals	6	Dow Chemical Co.	USA	460	0.95	0.69	48.6%	0.56	1.12	0.95	261.99
Chemicals	7	Arkema Inc	USA	159	1.03	1.51	85.2%	0.68	1.90	0.95	200.71
Chemicals	8	Asahi Kasei Corp.	Japan	230	1.17	0.60	33.7%	0.58	0.96	1.01	152.35
Chemicals	9	Zeon Corp.	Japan	130	1.86	0.60	46.2%	0.50	0.83	1.07	106.97
Chemicals	10	Kuraray Co. Ltd.	Japan	100	1.15	0.79	20.8%	0.79	1.08	0.94	91.78
Chemicals	11	Nitto Denko Corp.	Japan	162	1.01	0.59	46.6%	0.49	0.95	1.04	80.32
Chemicals	12	DuPont de Nemours	USA	199	0.90	0.49	20.0%	0.49	0.85	1.01	74.29
Chemicals	13	Kaneka Corp.	Japan	107	1.41	0.60	6.5%	0.60	0.72	1.07	69.25
Chemicals	14	Solvay S.A.	Belgium	133	1.08	0.60	14.7%	0.60	0.53	1.02	45.94
Chemicals	15	Mitsubishi Chemical	Japan	185	1.14	0.43	24.7%	0.43	0.48	0.99	43.11
Chemicals	16	L'Air Liquide S.A.	France	116	1.10	0.64	10.9%	0.64	0.30	1.07	26.50