

Executive Summary

In this edition of Duff & Phelps' European Chemicals Update, we evaluate current trends for key raw materials, prevailing investor sentiment and valuation developments in the featured industrial specialty sub-sector.

Our top insights are detailed below.

Key raw materials in the chemicals sector recovered in Q2/Q3 2020 from the COVID-19 related fall in prices but will likely remain below their pre-COVID-19 levels. The impact of the second wave of COVID-19 cases in Europe will likely continue to suppress Brent crude prices until the end of the year.

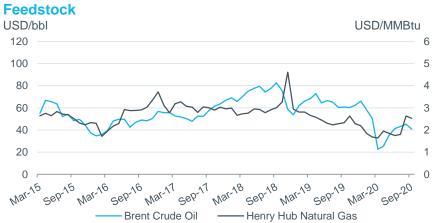
Next, the ifo Business Climate Index for the German chemical industry remained negative in Q3 2020, with current conditions rebounding from the lowest level in Q2 2020. Expectations on performance will continue to improve, with companies generally optimistic about the near future and resolving current challenges.

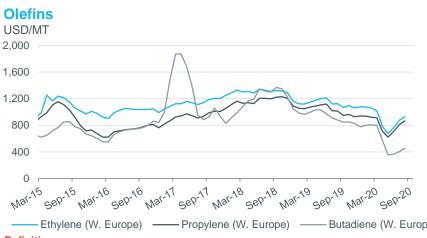
Finally, in the industrial specialty sub-sector, featured companies show diverse performance in market capitalization, with Sika, EMS-Chemie and Wacker Chemie being the best performers, driven by resilient Q3 earnings.



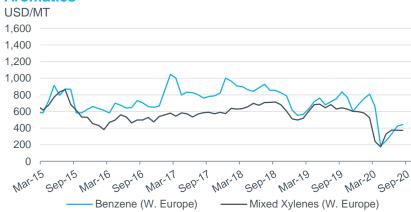
Quarterly Market Review Key Raw Materials

Petrochemicals





Aromatics



Key Observations

- Crude oil prices have recovered from the dip caused by the COVID-19 pandemic. Brent increased approx. 80% from its 20year low in April 2020, however the impact of the second wave of COVID-19 cases in Europe will likely further restrain Brent prices in the near future.
- Aromatics prices continued to improve in Q3 2020 but remained under high inventory pressure.
- Olefins prices have also recovered but remain suppressed following a downward trend since Q3 2018.

efinitions:

MMBtu - 1 Million British thermal units; Bbl - Barrels; MT - Metric tons; Bpd - Barrels per day

Note: September 2020 data for aromatics and olefins not yet available at Bloomberg at the time of issue. Source: Reuters, Bloomberg as of September 30, 2020



Quarterly Market Review

Raw Materials Wrap-Up

				_	Date					Change		
Product	Unit	Туре	Delivery	Source	Q3 2019	Q4 2019	Q1 2020	Q2 2020	Q3 2020	Δq-o-q	∆у-о-у	
Naphtha	USD/MT	1 Mo Fwd	CIF NW Europe	Bloomberg	469.9	537.9	153.2	355.5	376.7	6.0%	(19.8%)	
Methanol	EUR/MT	Spot	FOB Rotterdam	Polymerupdate	212.0	207.0	159.0	152.0	218.0	43.4%	2.8%	
Acrylic Acid	USD/MT	Spot	DDP W Europe	Tecnon Orbichem	1,249.0	1,139.0	1,076.0	951.0	1,049.0	10.3%	(16.0%)	
Adipic Acid	USD/MT	Contract	DDP W Europe	Tecnon Orbichem	2,543.0	2,550.0	2,638.0	2,297.0	2,416.0	5.2%	(5.0%)	
Caustic Soda (liquid)	USD/MT	Spot	DDP W Europe	Tecnon Orbichem	757.0	747.0	698.0	814.0	816.0	0.2%	7.8%	
Chlorine (liquid)	USD/MT	Spot	DDP W Europe	Tecnon Orbichem	246.0	248.0	249.0	254.0	266.0	4.7%	8.1%	
Ammonia	USD/MT	Spot	FOB Black Sea	Green Markets	230.0	220.0	227.0	185.0	202.0	9.2%	(12.2%)	
Urea (prill)	USD/MT	Spot	FOB Black Sea	Green Markets	240.0	220.0	240.0	210.0	245.0	16.7%	2.1%	

Definitions:

CIF - Cost, insurance and freight

FOB – Free on board

DDP - Delivered duty paid

Quarterly Market Review

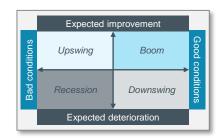
ifo Survey German Chemical Industry

German Chemical Industry | Business Cycle



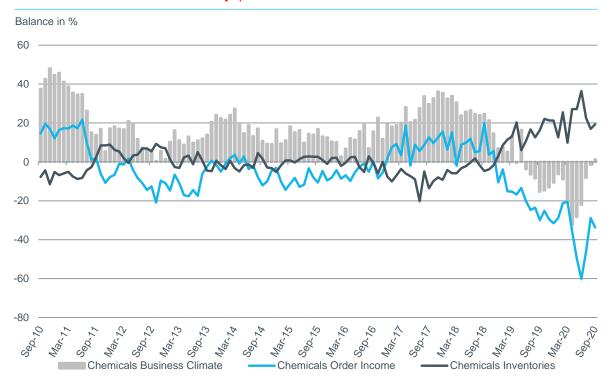
Key Observations

- September 2020 expectations continued to improve after reaching their lowest level at the end of April 2020.
- Although remaining negative, current conditions have rebounded from the lowest level at the end of June 2020.
- This development reflects that German companies are likely regaining confidence in business activities and are anticipating a positive outlook for the near future.



Quarterly Market Review ifo Survey German Chemical Industry

German Chemical Industry | Business Indicators



Key Observations

- The chemicals business climate turned positive and recovered significantly quarter-on-quarter to 1.2 in September 2020 from -22.0 in June 2020.
- Order income remained negative but rebounded from the lowest level in Q2 2020.
- Although still high, inventory levels have decreased from their peak in Q2 2020.
- A negative order income level and decreasing inventory levels may indicate that chemical customers might put down more orders in the near future.

Explanatory note

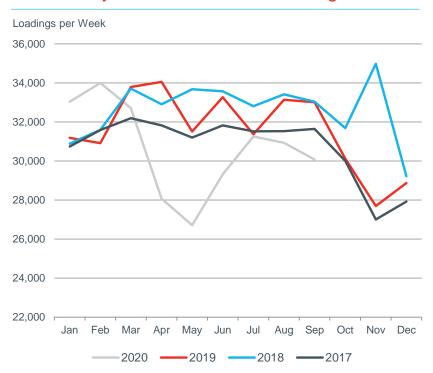
The ifo Business Climate Index is based on ca. 7,000 monthly survey responses from firms in manufacturing, construction, wholesaling and retailing. The firms are asked to give their assessments of the current business situation and their expectations for the next six months. They can characterize their situation as "good," "satisfactory" or "poor" and their business expectations for the next six months as "more favorable," "unchanged" or "more unfavorable." The balance value of the current business situation is the difference between the percentages of the responses "good" and "poor," and the balance value of the expectations is the difference between the percentages of the responses "more favorable" and "more unfavorable." The business climate is a transformed mean of the balances of the business situation and the expectations. For the purpose of calculating the index values, the transformed balances are all normalized to the average of the year 2005.



Quarterly Market Review

Economic Environment

U.S. Weekly Railcar Chemicals Loadings



Source: Association of American Railroads, Bloomberg as of September 30, 2020

Currency Trends



Source: Bloomberg as of September 30, 2020



Quarterly Market Review

Rebalanced Stock Development in Europe and the U.S.





U.S.: S&P 500



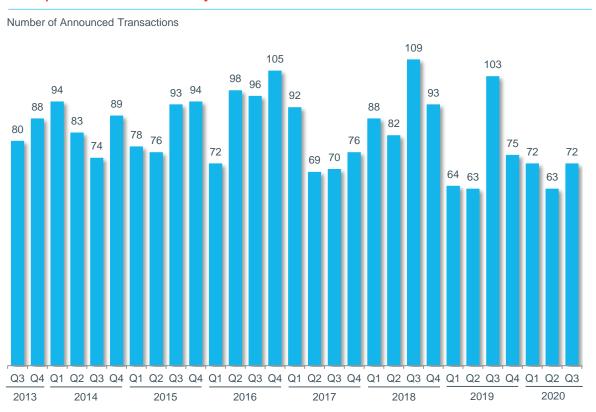
Source: Bloomberg as of September 30, 2020

Source: Bloomberg as of September 30, 2020

M&A Transaction Review

Announced Deals

European M&A Quarterly Trend



Key Observations

- Twenty one out of the 72 transactions announced in Q3 2020 had a disclosed value totaling EUR 7.2 billion (bn).
- The top 10 transactions announced in the last six months based on reported deal values (see table on next page) have a combined value of EUR 10.0 bn.
- Notable transactions include INEOS's acquisition of BP's petrochemicals business and Firmenich's acquisition of Derives Resiniques Et Terpeniques from French PE firm Ardian.

M&A Transaction Review

Top 10 European Deals Announced During the Last Six Months

EUR in mill	UR in millions							1.704	LTM	E\/ / TN4	EV//1 TM
Announced	Acquirer	HQ	Target	HQ	Target Business Description	Stake Acquired	Enterprise Value	LTM Revenue		EV / LTM Revenue	
Jun 29, 2020	INEOS	UK	Petrochemicals Business of BP	UK	Petrochemicals Business comprises BP's global aromatics, acetyls and related businesses.	100.0%	4,445.5	n/a	n/a	n/a	n/a
Apr 9, 2020	Firmenich	СН	Les Derives Resiniques Et Terpeniques	FR	Les Derives Resiniques Et Terpeniques develops pine- based ingredients, gum rosin and turpentine for industrial applications.	100.0%	1,700.0	550.0	n/a	3.1x	n/a
Sep 30, 2020	Covestro	DE	Resins & Functional Materials Businesses of Koninklijke DSM	NE	Resins & Functional Materials Businesses of Koninklijke DSM comprises resins, optical fiber coatings, adhesives, and performance materials manufacturing operations.	100.0%	1,610.0	1,012.0	13.1%	1.5x	11.7x
Sep 26, 2020	EQT Partners	SE	Natural Colors Business of Chr. Hansen	DK	Natural Colors Business of Chr. Hansen comprises a food color manufacturing business located in Denmark.	100.0%	800.0	n/a	n/a	n/a	n/a
Sep 28, 2020	InvestIndustrial & Black Diamond Capital	UK	Hexion PSR	RU	Hexion PSR is a resins manufacturing business. The company is based in Russia. Hexion PSR operates as a subsidiary of Hexion Inc.	100.0%	364.7	454.7	n/a	n/a	n/a
May 14, 2020	Tronox	U.S.	TiZir Titanium & Iron	NO	TiZir Titanium & Iron produces pig iron pigment and titanium dioxide to ductile iron foundries.	100.0%	278.0	154.0	24.7%	1.8x	7.3x
Jul 2, 2020	DeLaval	NE	Avon Polymer Products	UK	Avon Polymer Products manufactures rubber and polymer-based products.	100.0%	199.7	56.5	20.6%	3.5x	17.1x
Aug 13, 2020	TFL Ledertechnik	DE	Organic Leather Chemicals Business of LANXESS	DE	Organic Leather Chemicals Business of LANXESS AG includes assets related to leather chemicals manufacturing located in Germany.	100.0%	195.0	n/a	n/a	n/a	n/a
Aug 6, 2020	Nolato	SE	GW Plastics	U.S.	GW Plastics offers contract manufacturing services for injection molded thermoplastic and silicone solutions to healthcare, automotive and filtration industries globally.	100.0%	193.9	174.5	n/a	1.1x	n/a
Aug 26, 2020	Evonik	DE	Porocel	U.S	Porocel manufactures activated alumina, inert bed supports and specialty adsorbents.	100.0%	177.7	84.6	23.0%	2.1x	9.1x

Source: Capital IQ, Mergermarket and company information.

M&A Transaction Review Strategic Alliances and Collaborations

BASF Invests in Pyrum as Part of its Chemcyclingtm Project: Pyrolysis Oil From Waste Tires as Additional Raw Material Source September 2020

BASF is to invest EUR 16 million (mn) in Pyrum Innovations AG (Pyrum), a technology company specializing in the pyrolysis of waste tires, headquartered in Dillingen/Saar, Germany. With the investment, BASF will support the expansion of Pyrum's pyrolysis plant in Dillingen and the further rollout of the technology.

LamKap Bio Group and Lonza Collaborate to Manufacture Bispecific Antibodies for Cancer Treatment September 2020

LamKap Bio Group, a Swiss biotechnology group focused on tumortargeted antibody-based therapies, collaborates with Lonza to support their product pipeline. Lonza will provide cell line and process development, drug substance manufacturing and drug product services for LamKap's two fully human bispecific antibody products. The earlystage drug product formulation and stability studies will be performed at Lonza's Drug Product Services facility in Basel, Switzerland.

Kemira Announces Long-term Polymer Supply Agreement Extension with Ithaca Energy

September 2020

Kemira, a global leader in the manufacture and supply of high-quality polymers, has signed a multiyear extension of the current polymer supply agreement with Ithaca Energy that was signed in 2018 to supply polymers to enhance oil extraction performance on one of Ithaca Energy's operated assets in the UK North Sea.

Covestro Cooperates with Swiss Company FoamPartner to Create a New Market for Cardyon Based Foams

August 2020

Covestro has opened up a further area of application for the use of CO2 in plastics production to produce foams for the automotive industry using carbon dioxide instead of fossil raw materials. The Swiss company FoamPartner produces foams with the innovative precursor Cardyon for various areas in vehicle interiors.

Air Liquide Signs a New Long-term Contract with Leading Steel Producer NLMK

July 2020

Air Liquide and NLMK, a leading steel producer in Russia, have entered into a new long-term partnership. Under the agreement, Air Liquide will invest around EUR 100 mn in the flagship site of NLMK in Lipetsk, a combination of three projects which include the construction of a state-of-the-art air separation unit (ASU), the acquisition of existing hydrogen unit for the steel plant and the acquisition of the unit for rare gases production. This project also provides the base for growth of Air Liquide's industrial merchant activity in one of the largest industrial merchant markets in the Moscow region.

Royal DSM and Avril Complete Creation of Joint Venture to Develop Plant-based Protein

July 2020

Royal DSM, a global science-based company in nutrition, health and sustainable living, and Avril, France's fourth-largest agro-industrial group, have announced the launch of their joint venture, Olatein, to produce canola (rapeseed) proteins for the global food market.

M&A Transaction Review Strategic Alliances and Collaborations

Bayer and Siemens Healthineers Present First Synchronized Imaging System Interface for MRI July 2020

Bayer and Siemens Healthineers jointly developed the hardware and software for the Imaging System Interface (ISI). ISI saves time, improves operational efficiency and reduces the number of steps in the MRI workflow by one third, allowing the user to focus more on the patient. ISI recently achieved CE mark certification.

Clariant Catalysts Powers Ineratec's Green Fuel Production *July 2020*

Clariant and Ineratec have entered a partnership to develop and commercialize novel technologies for the production of renewable fuels and chemicals. Ineratec is a spin-off of the Karlsruhe Institute of Technology (KIT) specializing in modular chemical reactor technologies for producing sustainable fuels and chemicals. Clariant will provide its extensive catalysis expertise and broad portfolio of syngas conditioning and upgrading catalysts to support Ineratec's groundbreaking gas-to-liquid technology.

Merck Advances Bioprocessing Capabilities with Raman Technology Sensor Acquisition

July 2020

Merck, a leading science and technology company has enhanced its advanced bioprocess portfolio through the acquisition of RESOLUTION Spectra Systems, a Meylan, France-based leader in bioprocess analytical monitoring. The company offers Raman spectroscopy analysis through its GMP-ready instrumentation and software.

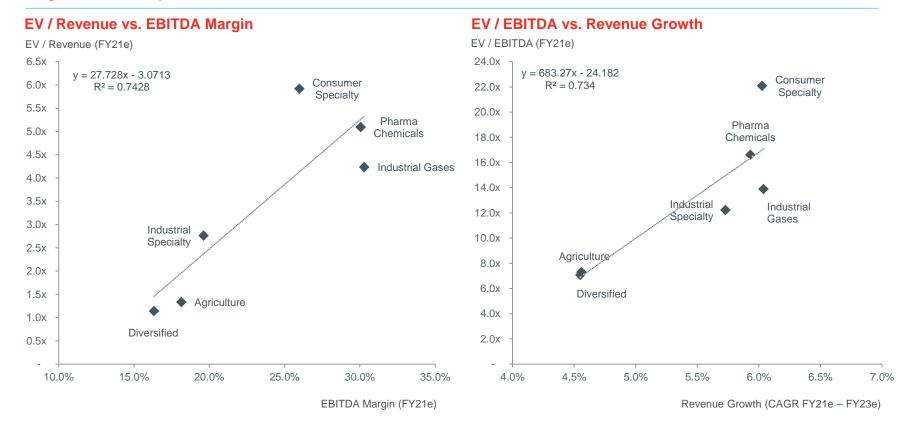




Public Trading Analysis

Sub-Sector Summary

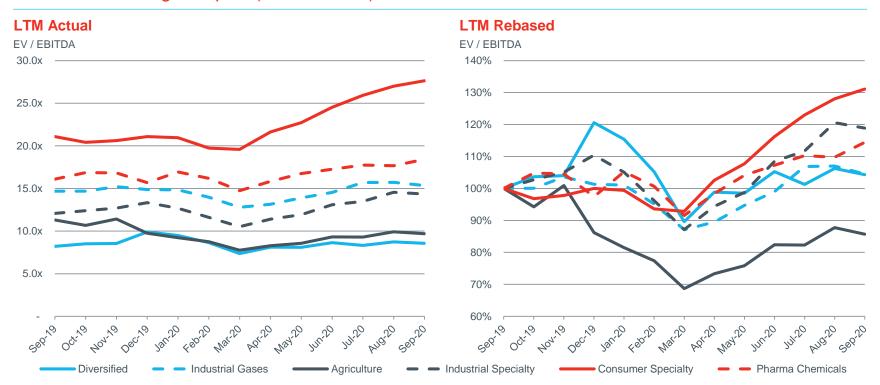
Regression Analysis



Public Trading Analysis

Sub-Sector Summary

Sub-Sector Trading Multiples (EV / EBITDA)



Source: Capital IQ as of September 30, 2020

Definitions:

Enterprise Value: Market Capitalization + Total Debt + Preferred Equity + Minority Interest - Cash and Short Term

EBITDA: Earning Before Interest, Taxes, Depreciation and Amortization

LTM: Last Twelve Months



Source: Bloomberg as of June 30, 2020

Public Trading Analysis

Sub-Sector Focus: Industrial Specialty

Share Price Development and Regression Analysis

Share Price Development Rebased 160% 140% 120% 80% 60% 40% AkzoNobel [2.7%] EMS-Chemie [35.0%] Sika [53.4%] Kemira [-18.8%] Victrex [-15.6%] Covestro [-1.3%] Johnson Matthey [-24.4%] Lenzing [-48.3%] Synthomer [-3.6%] Umicore [-0.6%] Wacker Chemie [29.3%]

EV / Revenue vs. EBITDA Margin EV / Revenue (FY21e) y = 22.361x - 1.9052 $R^2 = 0.5201$ Sika AG 4.0x 3.0x Umicore SA AkzoNobel N.V. 2.0x Lenzing AG Johnson Matthey Plc Synthomer plc 1.0x Kemira Oyj Covestro AG Wacker Chemie AG 10.0% 15.0% 20.0% 25.0% EBITDA Margin (FY21e)



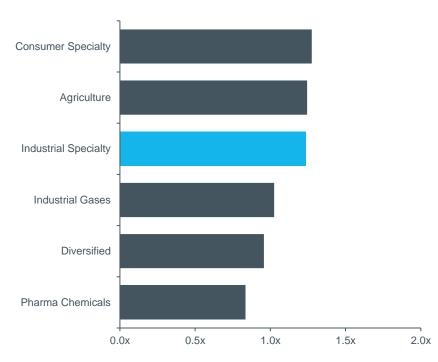
Public Trading Analysis

Sub-Sector Focus: Industrial Specialty

Capital Expenditure / Depreciation

Industrial Specialty Wacker Chemie Victrex Umicore Synthomer Sika Lenzing Kemira Johnson Matthey **EMS Chemie** Covestro FY19 Average AkzoNobel 0.0x0.5x 1.0x 1.5x 2.0x 2.5x 3.0x

Chemicals Sub-Sector Average (FY19)





Public Trading Analysis

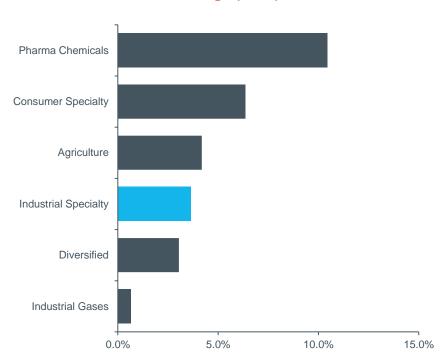
Sub-Sector Focus: Industrial Specialty

Research and Development Expenditures in % of Sales

Industrial Specialty

Wacker Chemie Victrex Umicore Synthomer Sika Lenzing Kemira Johnson Matthey **EMS Chemie** Covestro FY18 FY19 Average AkzoNobel 0.0% 1.0% 2.0% 3.0% 4.0% 5.0% 6.0%

Chemicals Sub-Sector Average (FY19)



Source: Capital IQ, Bloomberg as of June 30, 2020

Source: Capital IQ as of June 30, 2020

Public Trading Analysis Company Trading Statistics

EUR in millions	Share Price	52 Wee	k Share P	rice				EBITDA						
(except for share price)	(in EUR)	(in EUR)			Market	Enterprise	Revenues	EBITDA		Margin	EV/EBITDA			
Company Name	30-Sep-20	Low	High '	% of High	Сар	Value	LTM	LTM	FY2020	LTM	LTM	FY2020		
Diversified														
Arkema SA	90.6	42.5	99.5	91%	6,919.6	8,104.6	8,259.0	1,168.0	1,166.3	14.1%	6.9x	6.9x		
BASF SE	52.0	37.4	72.2	72%	47,742.5	69,031.5	58,675.0	6,436.0	6,664.0	11.0%	10.7x	10.4x		
Clariant AG	16.9	13.0	22.2	76%	5,552.6	6,975.8	3,861.0	443.8	572.5	11.5%	15.9x	12.2x		
Evonik Industries AG	22.1	15.1	27.6	80%	10,280.0	13,250.0	12,585.0	1,882.0	1,909.5	15.0%	7.0x	6.9x		
LANXESS AG	49.0	25.7	64.6	76%	4,226.7	5,076.7	6,480.0	919.0	837.3	14.2%	5.5x	6.1x		
Solvay SA	73.5	52.8	106.5	69%	7,596.5	10,549.5	10,514.0	1,923.0	1,898.0	18.3%	5.5x	5.6x		
Average										14.0%	8.6x	8.0x		

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Agriculture												
Israel Chemicals Ltd.	3.0	2.3	4.3	71%	3,862.0	6,072.4	4,401.2	583.8	702.8	13.3%	10.9x	8.6x
K+S AG	5.9	4.5	13.6	43%	1,125.0	4,333.4	3,858.0	459.3	491.1	11.9%	9.4x	8.8x
KWS Saat SE	72.0	39.2	74.0	97%	2,376.0	2,944.9	1,268.1	193.5	223.7	15.3%	15.2x	13.2x
Tessenderlo Group NV	32.1	19.6	34.9	92%	1,383.1	1,649.3	1,752.9	280.9	297.2	16.0%	5.9x	5.6x
Yara International ASA	32.7	25.1	36.4	90%	8,813.0	12,021.5	9,950.1	1,594.2	1,878.4	16.0%	6.2x	5.3x
Average										14.5%	9.5x	8.3x

Source: Capital IQ as of September 30 2020, and includes the most actively traded European chemical companies for respective covered sectors.

Public Trading Analysis Company Trading Statistics

EUR in millions	Share Price	52 Week Share Price						EBITDA						
(except for share price)	(in EUR)	((in EUR)		Market	Enterprise	Revenues	EBIT	'DA	Margin	EV/EBI	TDA		
Company Name	30-Sep-20	Low	High %	of High	Сар	Value	LTM	LTM	FY2020	LTM	LTM	FY2020		
Industrial Specialty														
AkzoNobel NV	86.4	45.7	92.1	94%	16,702.6	18,593.6	8,563.0	1,175.0	1,345.3	13.7%	15.8x	13.8x		
Covestro AG	42.4	23.5	48.8	87%	7,744.3	9,073.3	10,965.0	781.0	999.1	7.1%	11.6x	9.1x		
EMS-Chemie Holding AG	767.3	461.0	799.3	96%	17,946.3	17,756.9	1,783.1	546.4	529.1	30.6%	32.8x	33.6x		
Johnson Matthey Plc	26.0	17.8	36.3	72%	4,997.2	6,239.4	16,515.1	781.7	799.5	4.7%	8.2x	8.0x		
Kemira Oyj	10.9	8.0	15.0	73%	1,662.3	2,520.4	2,574.9	367.5	394.9	14.3%	6.9x	6.4x		
Lenzing AG	47.0	35.4	97.9	48%	1,247.9	2,042.5	1,891.2	226.3	177.6	12.0%	9.0x	11.5x		
Sika AG	210.1	116.1	211.4	99%	29,777.9	33,282.0	7,341.0	1,287.3	1,271.2	17.5%	25.9x	26.2x		
Synthomer Plc	3.5	2.0	4.1	85%	1,480.3	2,206.1	1,573.5	181.4	238.9	11.5%	12.1x	9.2x		
Umicore SA	35.6	27.2	49.3	72%	8,551.0	9,961.2	19,880.1	684.0	740.8	3.4%	14.6x	13.4x		
Victrex Plc	20.2	18.1	28.3	71%	1,743.4	1,697.0	339.7	142.1	105.6	41.8%	12.3x	16.1x		
Wacker Chemie AG	82.9	30.0	85.8	97%	4,118.3	4,657.9	4,693.3	488.0	576.3	10.4%	9.5x	8.1x		
Average										15.2%	14.4x	14.1x		
Industrial Gases														
Air Liquide SA	135.5	94.9	143.9	94%	63,903.3	78,835.8	21,240.8	5,461.5	5,832.5	25.7%	14.4x	13.5x		
Linde Plc	202.8	124.9	221.8	91%	106,381.4	119,103.4	24,166.4	7,323.8	7,138.6	30.3%	17.0x	16.7x		
Average										28.0%	15.7x	15.1x		

Source: Capital IQ as of September 30 2020, and includes the most actively traded European chemical companies for respective covered sectors.

Note: Based on company filings and press releases, following the merger of Praxair, Inc. and Linde AG, a new legal entity Linde plc has been established with headquarters in the UK and shares listed in both Frankfurt Stock Exchange (XETRA:LIN) and New York Stock Exchange (NYSE:LIN). In accordance, our coverage for Linde AG has been replaced by Linde Plc.

Public Trading Analysis Company Trading Statistics

EUR in millions	Share Price	52 We	ek Share Pı	rice				EBITDA							
(except for share price)	(in EUR)	(in EUR)			Market	Enterprise	Revenues	EBITDA		Margin	EV/EBITDA				
Company Name	30-Jun-20	Low	High %	% of High	Сар	Value	LTM	LTM	FY2020	LTM	LTM	FY2020			
Consumer Specialty															
Chr. Hansen Holding A/S	94.8	54.6	98.6	96%	12,485.8	13,388.5	970.0	400.2	428.9	41.3%	33.5x	31.2x			
Croda International Plc	68.8	42.0	69.4	99%	8,800.4	9,444.2	1,469.8	389.0	433.0	26.5%	24.3x	21.8x			
Koninklijke DSM NV	140.6	82.2	142.2	99%	23,841.9	26,084.9	8,974.0	1,057.0	1,634.5	11.8%	24.7x	16.0x			
Givaudan SA	3,685.6	2,325.6	3,805.4	97%	34,014.5	38,326.8	5,939.3	1,205.7	1,324.5	20.3%	32.1x	28.9x			
Symrise AG	118.0	71.2	120.3	98%	15,980.3	17,668.5	3,536.7	735.9	780.8	20.8%	24.0x	22.6x			
Average										24.1%	27.7x	24.1x			

Pharma Chemicals

Merck KGaA	124.6	76.2	128.7	97%	54,151.6	66,741.6	16,924.0	4,396.0	4,607.5	26.0%	15.2x	14.5x
Novozymes A/S	53.7	34.1	56.1	96%	14,980.6	15,624.1	1,920.6	665.4	663.4	34.6%	23.5x	23.6x
Lonza Group Ltd.	527.9	279.4	543.5	97%	39,214.8	42,304.4	5,646.5	1,563.2	1,586.2	27.7%	27.4x	26.7x
Bayer AG	53.3	44.9	78.3	68%	52,373.0	88,146.0	43,479.0	11,126.0	12,035.5	25.6%	7.9x	7.3x

Source: Capital IQ as of September 30 2020, and includes the most actively traded European chemical companies for respective covered sectors.

Definitions:

Enterprise Value: Market Capitalization + Total Debt + Preferred Equity + Minority Interest - Cash and Short Term Liabilities EBITDA: Earning Before Interest, Taxes, Depreciation and Amortization

LTM: Last Twelve Months



Venture Capital Activity Review

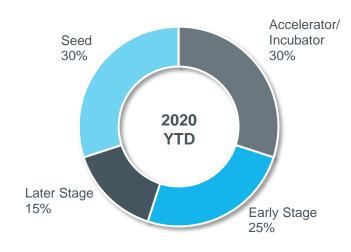
Announced Funding Rounds

European Venture Capital (VC) Funding Trend

Number of Announced VC Funding Rounds

59 49 48 45 44 20 2015 2016 2017 2018 YTD 2020 2019 Other Chemicals and Gases Multiline Chemicals ■ Agriculture Chemicals Commodity Chemicals ■ Industrial Chemicals Specialty Chemicals

VC Stage Split



Venture Capital Activity Review Sub-Sector Focus

Selected Startups that Received VC Funding

PlasmaBound Raised EUR 1.1 mn of Venture Funding for Novel Surface Treatment in a Deal Led by Atlantic Bridge Capital June 2020



Funding raised to date approx. EUR 1.2 mn

Irish start-up PlasmaBound, a University College Dublin (UCD) spin-out, has created patented technology, called controlled polymer ablation (CPA), that enables companies in the automotive, aerospace and wind turbine industries to achieve light-weighting goals with simplified and fully automated workstreams while meeting fuel efficiency and carbon emissions requirements.

2D Fab Raised SEK 6.0 mn in an Oversubscribed Issue from Selected Investors Including E14 Invest and ALMI Invest Mitt April 2019



Funding raised to date approx. EUR 1.2 mn

2D Fab, established in 2013 as a spin-off from Mid Sweden University, produces graphene flakes using graphite from the Swedish Woxna Graphite (owned by the Canadian company Flinders Resources). The graphite enables the production of larger and higher-purity graphene flakes compared to other graphite sources. The capital will primarily be used to expand the production capacity and to intensify the relationship with potential volume customers.

Graphmatech Raised USD 2.0 mn from Existing Investors, Including ABB Technology Venture and Innoenergy February 2020



Funding raised to date approx. EUR 2.5 mn

Graphmatech, a Sweden-based company manufactures a graphene material product named Aros Graphene, with multiple application areas. The product can be fully integrated in other materials such as polymer composites and can also be used as an additive in different types of batteries to increase energy storage capacity and charging speed, as well as thermal paste which can be used for cooling electronics and reducing electricity consumption.

AFULudine Raised EUR 1.2 mn of Venture Funding from Bourgogne Franche Comté Croissance April 2019



Funding raised to date approx. EUR 1.6 mn

AFULudine is a France-based manufacturer of lubricants intended to provide customized industrial products. The company's environmentally friendly lubricant technology offers innovative and non-oily lubrication solutions with low viscosity, enabling industrialists, individuals and craftsmen to perform post-processing operations directly and free from constraints of degreasing. The funding will be used to finalize the acquisition of a unit of production of its lubricant AFU.

Upcoming Events

Q4 2020 and Q1/Q2 2021



The Global ManuChem Strategies

03/01/2021 to 03/02/2021 | Berlin, Germany

https://www.global-manufacturing-chemicals.com/

The annual Global ManuChem brings together over 150+ manufacturing, supply chain and engineering leaders who are responsible for process optimization, digital manufacturing and excellence strategies. Topics include:

- Utilizing lifecycle data along the chemical manufacturing value chain
- Maintenance and asset management as value drivers
- · Optimizing productivity, effectiveness and excellence
- Rethinking business models amid changing markets and stakeholder expectations
- Managing volatile working environments

Events Ticker

FPSO Europe Congress 2021

02/15/2021 to 02/18/2021 | London, United Kingdom https://www.fpsonetwork.com/events-fpsoeuropecongress

European Chemistry Partnering

02/24/2021 to 02/26/2021 | Virtual Conference

https://european-chemistry-partnering.com/

ICE Europe

03/09/2021 to 03/11/2021 | Munich, Germany

https://www.ice-x.com/europe/2021/english/

Pharmapack Europe

05/19/2021 to 05/20/2021 | Paris, France

https://www.pharmapackeurope.com/

Chemspec Europe 2021

05/19/2021 to 05/20/2021 | Frankfurt, Germany

https://www.chemspeceurope.com/2021/english/

ACHEMA

06/14/2022 to 06/18/2021 | Frankfurt, Germany

https://www.achema.de/en/

Contacts

Germany

Andreas Stoecklin, Frankfurt
Head of EMEA Corporate Finance, M&A
+49 (0) 69 7191 8466
andreas.stoecklin@duffandphelps.com

Philipp Bose, Munich
Director, M&A
+49 (0) 89 388 884 280
philipp.bose@duffandphelps.com

UK

Dafydd Evans, London Managing Director, M&A +44 (0) 20 7089 4850 dafydd.evans@duffandphelps.com

Paul Teuten, London
Managing Director, M&A
+44 (0) 20 7089 4840
paul.teuten@duffandphelps.com

Spain

Javier Zoido, Madrid
Head of Iberia Valuation Services
+34 910 389 010
javier.zoido@duffandphelps.com

France

Jacques Giard, Paris
Country Head France, Transaction
Advisory Services
+33 (0) 1 40 06 40 70
jacques.giard@duffandphelps.com

Netherlands

Jochem Quaak, Amsterdam
Managing Director, Valuation Services
+31 (0) 20 851 5159
jochem.quaak@duffandphelps.com

North America

David Althoff, Chicago
Managing Director, M&A
+1 312 697 4625
david.althoff@duffandphelps.com

Steve Burt, Chicago Global Head of M&A Advisory +1 312 697 4620 steve.burt@duffandphelps.com

Howard Johnson, Toronto
Canada Leader, M&A
+1 416 597 4500
howard.iohnson@duffandphelps.com

China

David Lu, Shanghai Head of Greater China Corporate Finance, M&A +86 21 6032 0608 david.lu@duffandphelps.com

Japan

Katsumi Asai, Tokyo Managing Director, Valuation Services +81 (0) 33 593 0183 katsumi.asai@duffandphelps.com

India

Varun Gupta, Mumbai Head of Asia Pacific Valuation Services +91 22 6623 1001 varun.gupta@duffandphelps.com

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