



Houlihan Lokey

CHEMICALS UPDATE

Winter 2022



INTRODUCTION

Dear Clients and Friends,

Houlihan Lokey is pleased to present its Chemicals Update for winter 2022 to help provide you with an update on the current chemicals market.

In this issue, we have included relevant news stories, recent M&A transaction announcements, a public markets overview, and other industry insights to help you stay ahead in this evolving industry. We hope you find this quarterly update to be informative and that it serves as a valuable resource to you in staying abreast of the market. If there is additional content you would find useful for future updates, please don't hesitate to call or email us with your suggestions. We look forward to staying in touch with you.

Regards,

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Houlihan Lokey is the trusted advisor to more top decision-makers than any other independent global investment bank.

**2022 M&A Advisory Rankings
Global Transactions Under \$1 Billion**

Advisor	Deals
1 Houlihan Lokey	381
2 Rothschild & Co	369
3 JP Morgan	217
4 Lazard	206
5 Goldman Sachs & Co	203

Source: Refinitiv. Excludes accounting firms and brokers.

**2022 Global Distressed Debt & Bankruptcy
Restructuring Rankings**

Advisor	Deals
1 Houlihan Lokey	58
2 PJT Partners Inc	30
3 Lazard	29
4 Rothschild & Co	25
5 Moelis & Co	21

Source: Refinitiv.

**1998 to 2022 Global M&A Fairness
Advisory Rankings**

Advisor	Deals
1 Houlihan Lokey	1,232
2 JP Morgan	1,030
3 Duff & Phelps, A Kroll Business	938
4 Morgan Stanley	725
5 BofA Securities Inc	710

Source: Refinitiv. Announced or completed transactions.

No. 1 M&A Advisor for Global Transactions Under \$1 Billion

No. 1 Global Restructuring Advisor

No. 1 Global M&A Fairness Opinion Advisor Over the Past 25 Years

Leading Capital Markets Advisor

1,500+ Transactions Completed Valued at More Than \$3.0 Trillion Collectively

1,000+ Annual Valuation Engagements

**2022 M&A Advisory Rankings
All DACH Transactions**

Advisor	Deals
1 Houlihan Lokey	41
2 Rothschild & Co	40
3 Centuros GmbH	28
4 Goldman Sachs & Co	22
5 Sonntag Corporate Finance GmbH	21

Source: Refinitiv. Excludes accounting firms.

**2022 M&A Advisory Rankings
All U.S. Industrials Transactions**

Advisor	Deals
1 Houlihan Lokey	35
2 Lincoln International	33
3 Goldman Sachs & Co	26
3 Stout	26
5 Benchmark International	25
5 Jefferies LLC	25

Source: Refinitiv. Excludes accounting firms and brokers.

**2022 M&A Advisory Rankings
All Global Industrials Transactions**

Advisor	Deals
1 Rothschild & Co	94
2 Houlihan Lokey	75
3 Goldman Sachs & Co	74
4 JP Morgan	63
4 Lincoln International	63
4 Morgan Stanley	63

Source: Refinitiv. Excludes accounting firms and brokers.

No. 1 M&A Advisory for All DACH M&A Transactions

No. 1 M&A Advisor for All U.S. Industrials Transactions

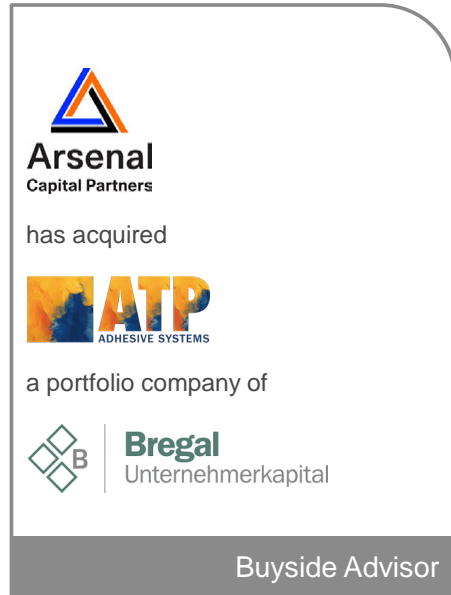
Top 3 M&A Advisor for All Global Industrials Transactions

Leading Advisor in the Chemicals Sector

Houlihan Lokey is thrilled to announce that it advised on four closed transactions in the chemicals industry in the past six months, making it one of the most active advisors in the sector for middle-market transactions.

We have been fortunate to advise a number of fantastic companies, institutions, and management teams and would like to congratulate each of our clients on their success. Our activity in the sector has provided us with real-time insights, unparalleled industry perspectives, and unique viewpoints on relevant investors.

HOULIHAN LOKEY MEDIA MENTIONS



Houlihan Lokey Advises Arsenal Capital Partners

We are pleased to announce that Arsenal Capital Partners (Arsenal) has acquired ATP Group (ATP), a portfolio company of Bregal Unternehmerkapital (BU). The transaction closed on January 31, 2022.

Arsenal is a leading private equity firm that specializes in investments in middle-market industrial growth and healthcare companies. Since its inception in 2000, Arsenal has raised institutional equity investment funds of more than \$10 billion, has completed more than 250 platform and add-on investments, and achieved more than 30 realizations.

ATP is a solution provider of customized specialty pressure-sensitive adhesive (PSA) tapes and is the pioneer of high-performance water-based tapes. The company has focused on water-based PSA tapes, which are increasingly substituting solvent-based tapes due to their superior characteristics in terms of lower emissions, environmentally friendly production, and recyclability. The company is headquartered in Wollerau, Switzerland, with production sites in Germany, the U.S., and the U.K. ATP has established a leading proprietary water-based adhesives formulation database as well as state-of-the-art mixing, coating, and converting capabilities.

BU is part of a family-owned business that has grown over several generations. The BU funds invest in mid-sized companies in the DACH region and Northern Italy across a wide range of sectors with a focus on market leaders and “hidden champions” with strong management teams and outbreak potential. With patient capital, entrepreneurial expertise, and a partnership approach, BU works closely with entrepreneurs to develop, internationalize, and digitalize portfolio companies and to help them generate sustainable value on a responsible basis.

Houlihan Lokey served as the exclusive buyside advisor to Arsenal Capital Partners and assisted in initiating and negotiating the transaction on its behalf. The transaction exemplifies the continued success of Houlihan Lokey’s dedicated coverage of the chemical subsectors of adhesives, sealants, and coatings as well as its globally integrated execution teams.

HOULIHAN LOKEY MEDIA MENTIONS (CONT.)



Houlihan Lokey Advises Paragon

We are pleased to announce that inprotec AG, a leading provider of industrial drying technologies and a portfolio company of Paragon Partners, has been acquired by International Chemical Investors Group. The transaction was closed on November 18, 2022.

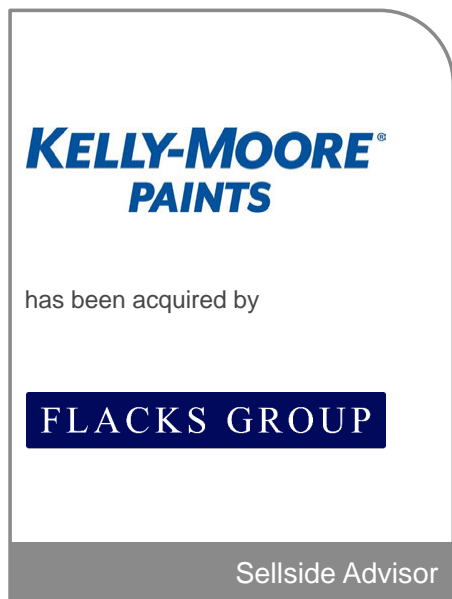
Inprotec AG (inprotec) is a leading European provider of specialized drying solutions based on fluidized bed and spray drying technology. The company employs more than 250 people across its two production sites in Genthin and Heitersheim, both located in Germany.

Paragon Partners (Paragon), headquartered in Munich, is a German independent private equity firm focused on investments in mid-sized companies in the DACH region. Paragon's investment strategy aims at the long-term, sustainable development of companies through both financial investment and operational support. The firm has €1.2 billion equity under management and has completed more than 40 successful investments since its foundation in 2004.

The acquirer, International Chemical Investors S.E., a Luxembourg-based industrial group focused on investments in the chemical and pharmaceutical industries, entered into a definitive agreement in October 2022. The transaction was closed on November 18, 2022.

Houlihan Lokey served as the exclusive financial advisor to Paragon. This deal highlights the firm's deep chemicals sector expertise and the ability to identify potential investors even in challenging macroeconomic environments. Clifford Chance LLP served as legal advisor to Paragon.

HOULIHAN LOKEY MEDIA MENTIONS (CONT.)



Houlihan Lokey Advises Kelly-Moore Paint Company

Houlihan Lokey is pleased to announce the successful sale of Kelly-Moore Paint Company (Kelly-Moore Paints) to Flacks Group. The transaction closed on September 30, 2022.

Founded in San Carlos, California, in 1946, Kelly-Moore Paints is one of the nation's largest independent paint companies, with more than \$400 million in annual revenue and more than 1,200 employees. The company distributes products through 157 company-managed retail stores and a network of authorized retailers across North America.

Headquartered in Miami, Flacks Group is a dedicated global investor in special situations focused on the acquisition and development of small- and medium-sized companies with revenues between \$50 million and \$2 billion. Flacks Group's industry-agnostic portfolio of companies represents a diverse range of sectors, including manufacturing, industrial, processing, and engineering. Flacks Group brings resources, synergies, and exceptional management expertise to position its investments for sustainable growth in close coordination with employees and customers.

Houlihan Lokey served as the financial advisor to Kelly-Moore Paints and assisted in marketing, structuring, and negotiating the transaction. This deal exemplifies the continued success of Houlihan Lokey's leading practice within the chemicals and coatings sectors.

HOULIHAN LOKEY MEDIA MENTIONS (CONT.)



Below are excerpts from *ICIS*' December interview with Martin Bastian, Head of Chemicals in Europe at Houlihan Lokey.

Outlook '23: Financing, Energy Costs, Weak IPO Markets to Weigh on European Chemicals M&A (*ICIS.com, December 29, 2022*)

“2022 was the year of two halves—the first half was still supply-driven, where scarcity of goods due to supply-chain issues enabled everybody to raise prices and pass through costs. Now, we’re transitioning into a more demand-driven situation with the supply-chain issues softening,” said Martin Bastian, Managing Director and Head of Chemicals at investment bank Houlihan Lokey.

‘This is even more of a perfect storm than it was in 2008–2009, because this is not going to be two or three quarters. This is much broader in terms of industries, end markets, and everybody is affected, in particular in Europe with the war in Ukraine and respective disruption in energy/raw material supply and high energy costs,’ he added.

‘There are so many moving pieces that you need to address if you sit at the top of a chemical company: keeping cash together; thinking about where you invest your money; can you still operate your production assets in an economic manner, or do you need to shut down; and what is the path forward in a new environment with inflation, a recession, and higher energy cost?’ Bastian said.

‘In recent, more sizable deals, many banks have lost money in their financing bridges and have become more cautious—they will remain so until markets reopen broadly and stabilize the sector,’ Bastian said.

‘If you look at equity research at the moment, the spread of analyst views is pretty wide, and I think that only when that has narrowed will the IPO markets reopen again, but typically financing markets will reopen before that happens,’ he added.”

To read the full article, please [view the PDF](#).

SELECTED RECENT M&A NEWS

DuPont Scraps \$5.2 Billion Rogers Buyout due to China Hurdles (*Reuters.com, November 2, 2022*)

“Chemicals maker DuPont De Nemours Inc. said on Tuesday it was ending its \$5.2 billion buyout of Rogers Corp., the first collapse of a major U.S. deal in four years caused by a failure to clear Chinese regulatory hurdles.

DuPont said the termination of the deal was agreed with Rogers as they have been unable to obtain timely clearance from all the required regulators. They said in September that they had received all approvals, except from China.”

DuPont (NYSE:DD) is a global innovation leader with technology-based materials and solutions that help transform industries and everyday life. Their employees apply diverse science and expertise to help customers advance their best ideas and deliver essential innovations in key markets, including electronics, transportation, construction, water, healthcare, and worker safety.

Rogers Corp. (NYSE:ROG) is a global leader in engineered materials to power, protect, and connect our world. Rogers delivers innovative solutions to help our customers solve their toughest material challenges.

“DuPont's all-cash takeover of Rogers, announced last year, would have been its biggest acquisition since splitting from DowDuPont in 2019.”

Hexpol to Acquire U.S.-Based Thermoplastics Firm (*Chemengonline.com, November 2, 2022*)

“Hexpol AB (Malmö, Sweden) has signed an agreement to acquire 100% of the shares in McCann Plastics LLC from the McCann family. The company is specialized in niche thermoplastic compounds, with special focus on roto molding applications.”

The HEXPOL Group is a leader in the field of advanced polymer compounding, with a global footprint of local units, ensuring your industrial needs are met on cost and on time. The Group is organized in two business areas: HEXPOL Compounding and HEXPOL Engineered Products. The HEXPOL Group has approximately 5,100 employees in 14 countries.

McCann Plastics, Inc., manufactures thermoplastic compounder. The company offers rotational-molded kayaks, computer components, lawn furniture, and boat hulls. McCann Plastics serves automotive, electrical and electronics, packaging, film, and consumer goods markets in the United States.

“The acquisition of McCann is fully in line with [Hexpol's] growth strategy with acquisitions within polymer compounds and strengthens their market position in the U.S....McCann has a strong position within its market niche that complements and widens their customer offer. The company is well invested with high competence in specialized thermoplastic compounds.”

SELECTED RECENT M&A NEWS (CONT.)

Centaury Management Limited Completed the Acquisition of Filters Business From Essentra Plc (*MarketScreener.com, December 5, 2022*)

“Centaury Management Limited entered into a sale and purchase agreement to acquire Filters business from Essentra PLC (LSE:ESNT) for £220 million on October 2, 2022. Under the terms of agreement, Centaury Management will pay £200 million initial consideration, subject to adjustments after completion by way of a customary completion accounts mechanic in relation to cash, debt, and working capital, and up to £20 million deferred earn-out consideration payable in two tranches of up to £10 million for each of 2023 and 2024, respectively.”

Essentra is a global, market-leading manufacturer and distributor of plastic injection molded, vinyl dip molded, and metal items. It operates in 25 countries worldwide, 12 manufacturing facilities, and 23 sales and distribution centers serving 80,000 customers.

Essentra said it plans to use the proceeds to reduce its debt position and to make a small contribution to its benefit pension schemes.

“The transaction is conditional upon approval of a resolution approving the transaction by shareholders at a general meeting of Essentra, the completion of a group reorganization to achieve the separation of filters from the remainder of the Essentra group, there not being in force any applicable law that prohibits or renders illegal the sale or purchase of shares. The Board expects that, subject to the satisfaction and/or waiver (where applicable) of the conditions to the transaction, completion will occur no later than January 31, 2023.”

MKS Instruments Announces Closing of Atotech Acquisition (*Atotech.com, August 17, 2022*)

“MKS Instruments, Inc. (NASDAQ:MKSI) (MKS), a global provider of technologies that enable advanced processes and improve productivity, today announced the completion of the previously announced acquisition of Atotech Limited (NYSE:ATC) (Atotech) for approximately \$4.4 billion in cash and MKS common stock.

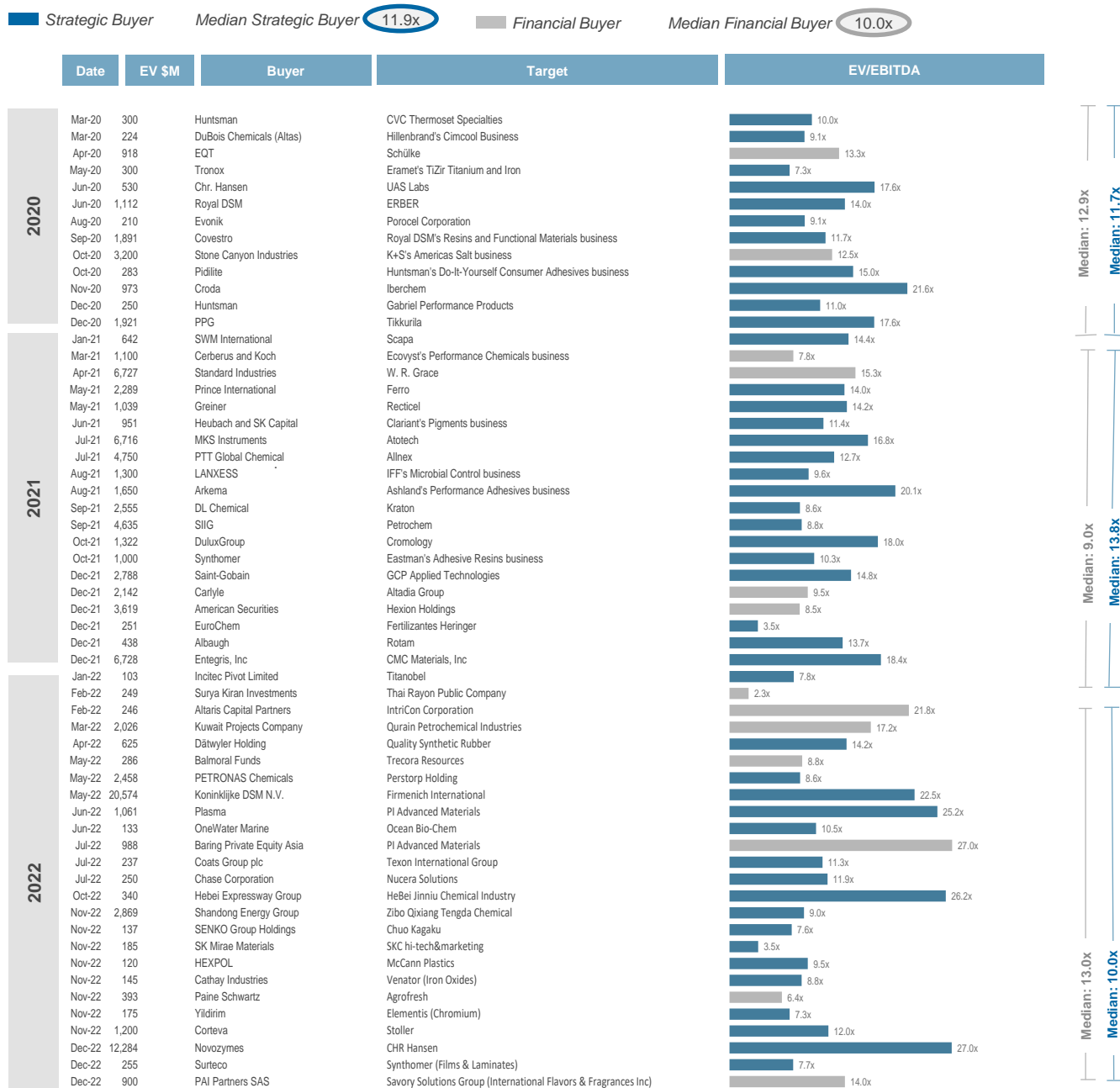
MKS Instruments, Inc., is a global provider of instruments, systems, subsystems, and process control solutions that measure, monitor, deliver, analyze, power, and control critical parameters of advanced manufacturing processes to improve process performance and productivity for their customers.

Atotech is a global leader in process chemicals, equipment, software, and services for printed circuit boards, semiconductor IC packaging, and surface finishing.

The combination of MKS and Atotech creates a company with pro forma revenue of \$4.5 billion for the 12 months ended June 30, 2022. As a result of higher interest rates on debt financing compared to the time the transaction was originally announced in July 2021, as well as the impact of the current macroeconomic and inflationary environment on their business, MKS currently anticipates the acquisition will be accretive to non-GAAP diluted net earnings per share for the full fiscal year 2024.”

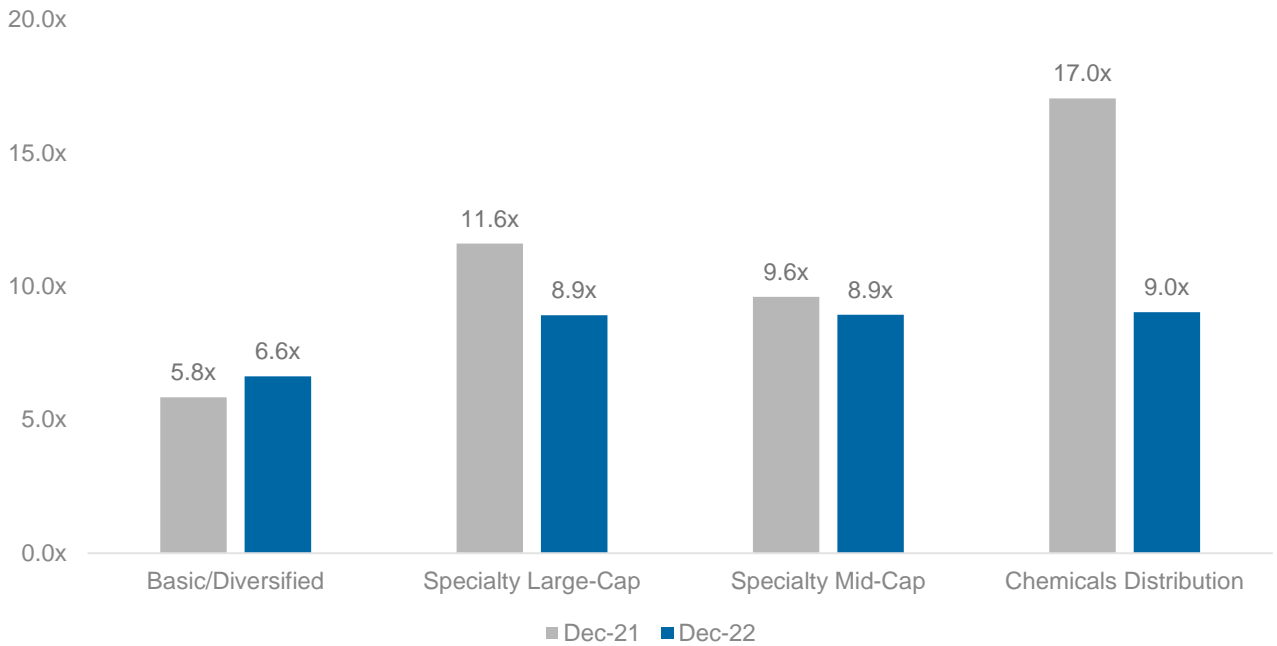
CHEMICALS M&A ACTIVITY

Strategic acquisition activity in the chemicals market continues to be healthy. Valuation multiples for financial transactions have been generally higher than those for strategic transactions in 2022. However, strategic buyers have seen higher multiples over the past three years.

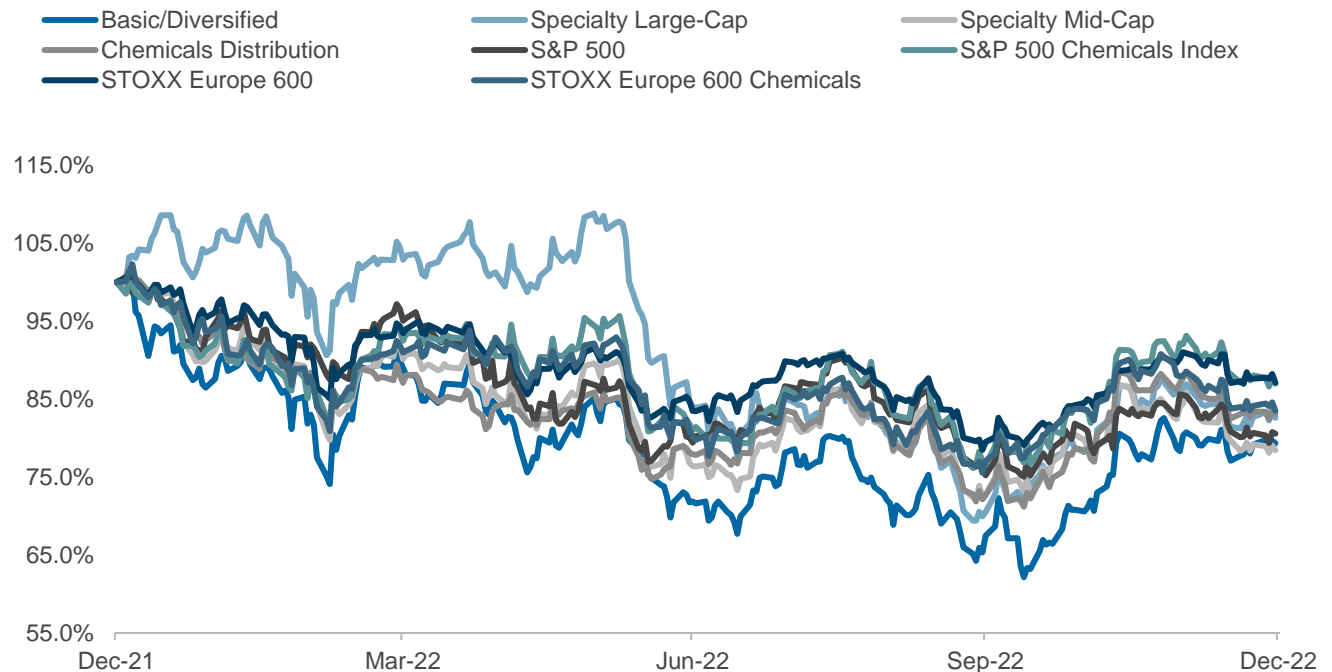


PUBLIC MARKETS OVERVIEW

Median TEV/NTM EBITDA Multiples



Stock Price Index



Source: S&P Capital IQ.

Note: NTM refers to next-12-month consensus estimates per S&P Capital IQ as of 12/31/2021 and 12/31/2022.

SELECTED CHEMICAL INPUTS WEEKLY INDEX PRICES

Cushing Crude Oil (WTI)

(\$ per barrel)



U.S. Gulf Ethylene (FD)

(\$ per pound)



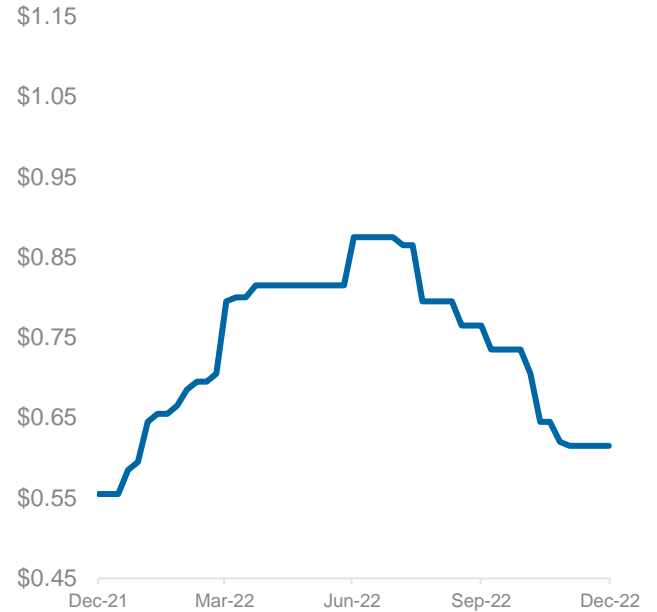
U.S. Gulf Propylene (FD)

(\$ per pound)



U.S. Gulf Butadiene (CIF)

(\$ per pound)



SELECTED CHEMICAL INPUTS

WEEKLY INDEX PRICES (CONT.)

U.S. Gulf Benzene (FOB)



U.S. Mixed Xylene (FOB)



Natural Gas (Henry Hub)

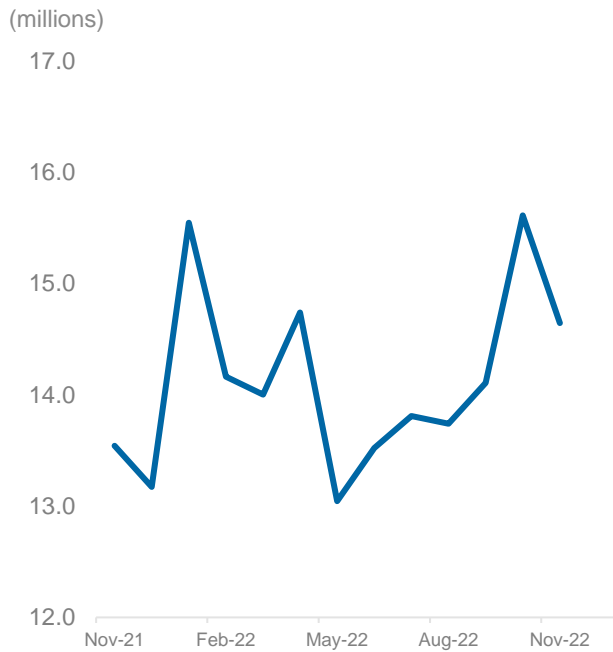


U.S. Toluene

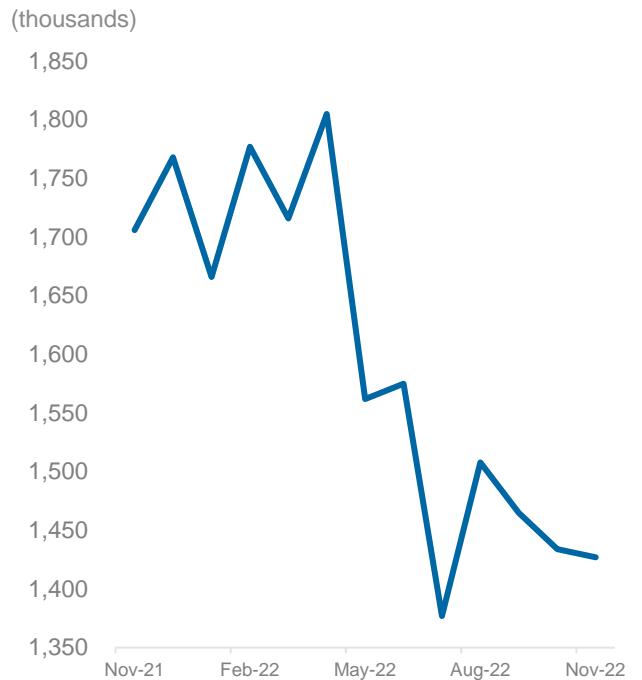


SELECTED MACROECONOMIC DATA

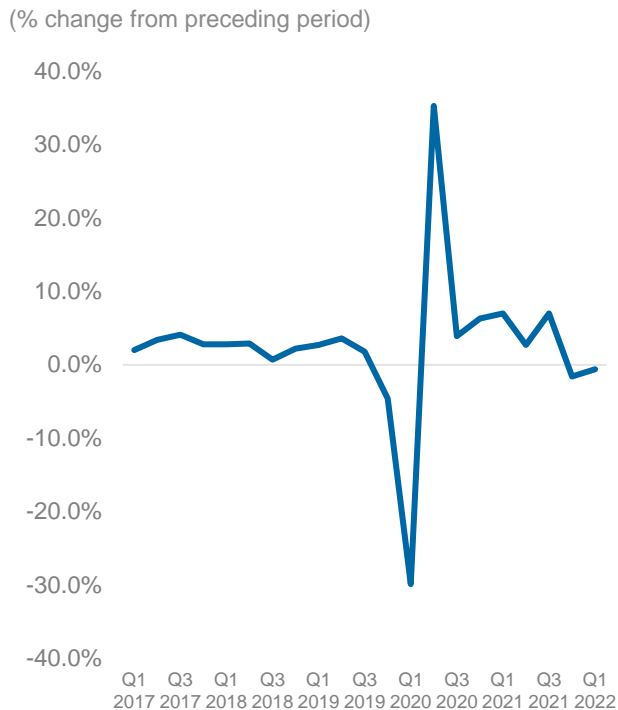
U.S. Total Monthly Automotive Sales



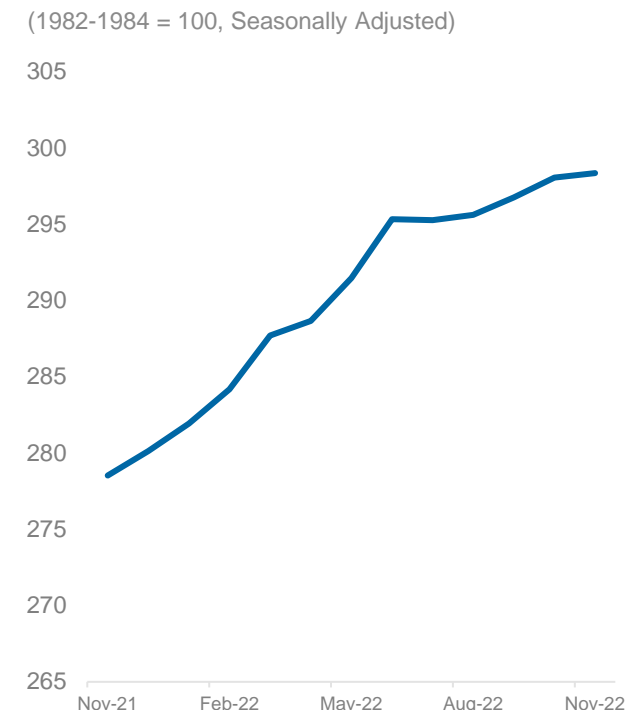
U.S. Privately Owned Housing Units Started



U.S. QoQ Real GDP Growth



U.S. Consumer Price Index



SELECTED PUBLIC COMPARABLES

Basic/Diversified

(as of 12/31/2022, \$ in millions, except per-share prices)

Company Name	Ticker	Stock Price	Stock Performance (% Change)			Equity Value	Enterprise Value	FY2023E			Enterprise Value /	
			1 Month	3 Month	1 Year			Revenue	EBITDA	Margin	FY2023E Revenue	FY2023E EBITDA
BASF SE	DB:BAS	\$49.67	-1.0%	28.6%	-29.2%	\$44,348.2	\$66,188.5	\$88,946.5	\$9,854.9	11.1%	0.74x	6.7x
Bayer Aktiengesellschaft	DB:BAYN	\$51.93	-9.2%	11.5%	-3.1%	\$50,738.1	\$89,117.9	\$55,134.9	\$14,424.1	26.2%	1.62x	6.2x
Celanese Corporation	NYSE:CE	\$102.24	-4.7%	13.2%	-39.2%	\$11,085.7	\$14,343.7	\$12,136.1	\$3,056.4	25.2%	1.18x	4.7x
Covestro AG	DB:1COV	\$39.29	-0.6%	37.9%	-36.1%	\$7,545.2	\$10,640.2	\$17,177.3	\$1,380.2	8.0%	0.62x	7.7x
Dow Inc.	NYSE:DOW	\$50.39	-1.1%	14.7%	-11.2%	\$35,462.4	\$48,171.4	\$51,671.4	\$7,297.8	14.1%	0.93x	6.6x
Huntsman Corporation	NYSE:HUN	\$27.48	-1.1%	12.0%	-21.2%	\$5,278.9	\$6,837.9	\$7,491.0	\$964.9	12.9%	0.91x	7.1x
LANXESS Aktiengesellschaft	XTRA:LXS	\$40.29	2.8%	36.6%	-35.0%	\$3,475.4	\$7,524.8	\$8,458.2	\$990.7	11.7%	0.89x	7.6x
LyondellBasell Industries N.V.	NYSE:LYB	\$83.03	-2.3%	10.3%	-10.0%	\$27,036.6	\$38,740.6	\$46,772.2	\$5,414.0	11.6%	0.83x	7.2x
Methanex Corporation	TSX:MX	\$37.87	-2.5%	18.2%	-4.2%	\$2,650.2	\$5,060.6	\$3,802.3	\$833.6	21.9%	1.33x	6.1x
Olin Corporation	NYSE:OLN	\$52.94	-7.1%	23.5%	-8.0%	\$7,250.7	\$10,047.9	\$8,603.7	\$1,846.0	21.5%	1.17x	5.4x
The Chemours Company	NYSE:CC	\$30.62	-1.4%	24.2%	-8.8%	\$4,621.1	\$7,229.1	\$6,541.4	\$1,265.2	19.3%	1.11x	5.7x
Westlake Corporation	NYSE:WLK	\$102.54	-4.7%	18.0%	5.6%	\$13,077.7	\$17,159.7	\$13,947.0	\$3,017.3	21.6%	1.23x	5.7x
Median			-1.9%	18.1%	-10.6%			\$13,041.5	\$2,431.6	16.7%	1.02x	6.4x
Mean			-2.7%	20.7%	-16.7%			\$26,723.5	\$4,195.4	17.1%	1.05x	6.4x

Specialty Large-Cap (Greater Than \$5 Billion EV)

(as of 12/31/2022, \$ in millions, except per-share prices)

Company Name	Ticker	Stock Price	Stock Performance (% Change)			Equity Value	Enterprise Value	FY2023E			Enterprise Value /	
			1 Month	3 Month	1 Year			Revenue	EBITDA	Margin	FY2023E Revenue	FY2023E EBITDA
Albemarle Corporation	NYSE:ALB	\$216.86	-22.0%	-18.0%	-7.2%	\$25,405.8	\$27,757.1	\$9,976.9	\$4,802.4	48.1%	2.78x	5.8x
Arkema S.A.	ENXTPA:AKE	\$89.64	3.3%	21.8%	-36.4%	\$6,679.0	\$8,779.1	\$11,111.0	\$1,688.7	15.2%	0.79x	5.2x
Ashland Inc.	NYSE:ASH	\$107.53	-3.9%	13.2%	-0.1%	\$5,834.7	\$6,571.7	\$2,532.8	\$627.3	24.8%	2.59x	10.5x
Clariant AG	SWX:CLN	\$15.84	-1.0%	-2.2%	-24.0%	\$5,214.4	\$6,419.1	\$5,407.2	\$934.7	17.3%	1.19x	6.9x
Corteva, Inc.	NYSE:CTVA	\$58.78	-12.5%	2.9%	24.3%	\$41,997.8	\$42,772.8	\$18,431.2	\$3,506.4	19.0%	2.32x	12.2x
Croda International Plc	LSE:CRDA	\$79.57	-1.9%	10.8%	-41.9%	\$11,023.0	\$11,439.7	\$2,193.7	\$677.4	30.9%	5.21x	16.9x
DuPont de Nemours, Inc.	NYSE:DD	\$68.63	-2.7%	36.2%	-15.0%	\$34,094.6	\$45,214.6	\$12,844.4	\$3,260.5	25.4%	3.52x	13.9x
Eastman Chemical Company	NYSE:EMN	\$81.44	-6.0%	14.6%	-32.6%	\$9,767.9	\$14,651.9	\$10,239.3	\$1,854.9	18.1%	1.43x	7.9x
Ecolab Inc.	NYSE:ECL	\$145.56	-2.8%	0.8%	-38.0%	\$41,459.6	\$50,324.7	\$14,910.1	\$2,997.4	20.1%	3.38x	16.8x
Evonik Industries AG	DB:EVK	\$19.14	-0.3%	13.0%	-41.1%	\$8,932.0	\$12,935.5	\$18,395.8	\$2,440.6	13.3%	0.70x	5.3x
FMC Corporation	NYSE:FMC	\$124.80	-4.5%	18.1%	13.6%	\$15,608.2	\$18,940.0	\$6,031.7	\$1,542.8	25.6%	3.14x	12.3x
H.B. Fuller Company	NYSE:FUL	\$71.62	-10.8%	19.2%	-11.6%	\$3,818.3	\$5,714.4	\$3,942.9	\$587.7	14.9%	1.45x	9.7x
Johnson Matthey Plc	LSE:JMAT	\$25.63	2.8%	25.5%	-7.5%	\$4,682.7	\$5,880.3	\$4,863.8	\$811.2	16.7%	1.21x	7.2x
Koninklijke DSM N.V.	ENXTAM:DSM	\$122.15	-3.1%	6.1%	-45.8%	\$21,141.8	\$22,793.0	\$9,495.0	\$1,583.4	16.7%	2.40x	14.4x
Solvay SA	ENXTBR:SOLB	\$100.95	4.3%	29.3%	-13.1%	\$10,462.5	\$12,718.6	\$13,534.9	\$2,804.7	20.7%	0.94x	4.5x
Wacker Chemie AG	XTRA:WCH	\$127.61	2.1%	22.6%	-14.7%	\$6,339.2	\$6,298.2	\$7,762.8	\$1,407.2	18.1%	0.81x	4.5x
Median			-2.8%	13.9%	-14.9%			\$9,735.9	\$1,636.0	18.6%	1.88x	8.8x
Mean			-3.7%	13.4%	-18.2%			\$9,479.6	\$1,970.5	21.6%	2.12x	9.6x

Source: S&P Capital IQ.

Notes: E refers to expected. Trading multiples are based on share price, other market data, and broker consensus future earnings estimates from S&P Capital IQ as of December 31, 2022. All financials calendarized to a December year-end.

SELECTED PUBLIC COMPARABLES (CONT.)

Specialty Mid-Cap (Less than \$5 Billion EV)

(as of 12/31/2022, \$ in millions, except per-share prices)

Company Name	Ticker	Stock Price	Stock Performance (% Change)			Equity Value	Enterprise Value	FY2023E			Enterprise Value /	
			1 Month	3 Month	1 Year			Revenue	EBITDA	Margin	FY2023E Revenue	FY2023E EBITDA
Balchem Corporation	NasdaqGS:BCPC	\$122.11	-13.3%	0.4%	-27.6%	\$3,924.0	\$4,342.6	\$1,008.7	\$230.8	22.9%	4.31x	18.8x
Ecovyst Inc.	NYSE:ECVT	\$8.86	-4.6%	5.0%	-13.5%	\$1,154.0	\$1,921.5	\$832.6	\$288.7	34.7%	2.31x	6.7x
Elementis plc	LSE:ELM	\$1.45	4.9%	44.3%	-18.6%	\$846.4	\$1,272.5	\$931.6	\$169.4	18.2%	1.37x	7.5x
Fuchs Petrolub SE	DB:FPE3	\$35.03	1.5%	38.4%	-23.0%	\$4,470.5	\$4,596.6	\$3,580.3	\$501.4	14.0%	1.28x	9.2x
Ingevity Corporation	NYSE:NGVT	\$70.44	-10.0%	16.2%	-1.8%	\$2,632.5	\$3,762.5	\$1,792.2	\$514.9	28.7%	2.10x	7.3x
Innospec Inc.	NasdaqGS:IOSP	\$102.86	-7.2%	20.1%	13.9%	\$2,547.3	\$2,495.0	\$2,045.7	\$254.6	12.4%	1.22x	9.8x
Koppers Holdings Inc.	NYSE:KOP	\$28.20	-5.3%	35.7%	-9.9%	\$589.3	\$1,454.3	\$2,042.8	\$249.8	12.2%	0.71x	5.8x
NewMarket Corporation	NYSE:NEU	\$311.11	-1.6%	3.4%	-9.2%	\$3,071.1	\$4,071.3	NA	NA	NA	NA	NA
Quaker Chemical Corporation	NYSE:KWR	\$166.90	-15.2%	15.6%	-27.7%	\$2,992.8	\$3,776.6	\$1,957.5	\$285.4	14.6%	1.93x	13.2x
Siegfried Holding AG	SWX:SFZN	\$663.48	-0.7%	-11.4%	-32.0%	\$2,817.5	\$3,256.2	\$1,396.6	\$298.1	21.3%	2.33x	10.9x
Stepan Company	NYSE:SCL	\$106.46	-4.6%	13.7%	-14.3%	\$2,366.4	\$2,828.6	\$2,783.1	\$330.9	11.9%	1.02x	8.5x
Synthomer plc	LSE:SYNT	\$1.74	9.3%	46.4%	-67.9%	\$812.0	\$2,082.9	\$3,065.6	\$326.7	10.7%	0.68x	6.4x
Median			-4.6%	15.9%	-16.5%			\$1,957.5	\$288.7	14.6%	1.37x	8.5x
Mean			-3.9%	19.0%	-19.3%			\$1,948.8	\$313.7	18.3%	1.75x	9.5x

Chemicals Distribution

(as of 12/31/2022, \$ in millions, except per-share prices)

Company Name	Ticker	Stock Price	Stock Performance (% Change)			Equity Value	Enterprise Value	FY2023E			Enterprise Value /	
			1 Month	3 Month	1 Year			Revenue	EBITDA	Margin	FY2023E Revenue	FY2023E EBITDA
Azelis Group NV	ENXTBR:AZE	\$28.34	7.4%	26.8%	-1.2%	\$6,627.8	\$7,733.5	\$4,346.7	\$478.1	11.0%	1.78x	16.2x
Brenntag SE	XTRA:BNR	\$63.82	3.2%	4.3%	-29.5%	\$9,860.8	\$12,378.6	\$19,110.9	\$1,781.4	9.3%	0.65x	6.9x
Hawkins, Inc.	NasdaqGS:HWKN	\$38.60	-7.2%	-1.0%	-2.2%	\$811.4	\$958.2	\$894.9	\$111.7	12.5%	1.07x	8.6x
IMCD N.V.	ENXTAM:IMCD	\$142.30	-0.9%	18.4%	-35.7%	\$8,103.1	\$9,320.8	\$4,863.3	\$574.1	11.8%	1.92x	16.2x
Univar Solutions Inc.	NYSE:UNVR	\$31.80	-4.0%	39.8%	12.2%	\$5,188.7	\$7,565.7	\$10,646.8	\$919.4	8.6%	0.71x	8.2x
Median			-0.9%	18.4%	-2.2%			\$4,863.3	\$574.1	11.0%	1.07x	8.6x
Mean			-0.3%	17.7%	-11.3%			\$7,972.5	\$772.9	10.6%	1.22x	11.2x

Source: S&P Capital IQ.

Notes: E refers to expected. NA refers to not available. Trading multiples are based on share price, other market data, and broker consensus future earnings estimates from S&P Capital IQ as of December 31, 2022. All financials calendarized to a December year-end.

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