



Financial Performance

Size Profile, LTM Financials, Forward Estimates

(USD in millions, except per share data)

		Size Profile				LTM Operati	ng Data	Forward Estimates	
Company Name	Ticker	Price at 06/30/23	% of 52 Week High	TEV	Total Assets	LTM Revenue	LTM EBITDA	2023 Est. Revenue	2023 Est. EBITDA
Specialty Chemicals									
The Sherwin-Williams Company	SHW	\$265.52	99.6%	\$82,867	\$23,166	\$22,961	\$4,038	\$22,838	\$4,069
Ecolab Inc.	ECL	\$186.69	99.4%	\$60,373	\$21,456	\$14,764	\$2,901	\$15,399	\$3,024
PPG Industries, Inc.	PPG	\$148.30	99.5%	\$39,258	\$22,216	\$17,905	\$2,603	\$18,182	\$2,913
DuPont de Nemours, Inc.	DD	\$71.44	91.1%	\$38,689	\$40,797	\$12,533	\$3,027	\$12,497	\$3,008
Celanese Corporation	CE	\$115.80	90.2%	\$26,975	\$25,649	\$10,297	\$1,637	\$11,194	\$2,492
Commodity Chemicals									
Dow Inc.	DOW	\$53.26	87.5%	\$50,811	\$58,294	\$49,245	\$6,055	\$44,475	\$5,543
LyondellBasell Industries N.V.	LYB	\$91.83	90.7%	\$42,163	\$36,683	\$43,009	\$4,548	\$40,873	\$5,239
Westlake Corporation	WLK	\$119.47	94.6%	\$20,009	\$20,981	\$13,862	\$2,815	\$12,964	\$2,784
Diversified Chemicals									
Eastman Chemical Company	EMN	\$83.72	81.9%	\$14,894	\$14,771	\$9,818	\$1,580	\$9,364	\$1,668
The Chemours Company	CC	\$36.89	96.2%	\$8,046	\$7,660	\$6,294	\$381	\$6,183	\$1,133
Huntsman Corporation	HUN	\$27.02	80.8%	\$6,482	\$7,553	\$6,863	\$569	\$6,376	\$567

Financial Performance (cont.)

Size Profile, LTM Financials, Forward Estimates

(USD in millions, except per share data)

	_	Size Profile				LTM Operati	ng Data	Forward Estimates	
Company Name	Ticker	Price at 06/30/23	% of 52 Week High	TEV	Total Assets	LTM Revenue	LTM EBITDA	2023 Est. Revenue	2023 Est. EBITDA
Industrial Gases									
Linde plc	LIN	\$381.08	99.3%	\$199,826	\$78,718	\$33,093	\$11,450	\$33,434	\$12,046
Air Products and Chemicals, Inc.	APD	\$299.53	91.2%	\$72,605	\$30,930	\$12,979	\$3,985	\$12,919	\$4,845

Fertilizers & Agricultural Chemicals									
Nutrien Ltd.	NTR	\$59.05	57.5%	\$45,271	\$53,926	\$32,583	\$7,884	\$29,096	\$6,351
Corteva, Inc.	CTVA	\$57.30	83.7%	\$42,699	\$44,189	\$17,531	\$3,288	\$18,172	\$3,569
FMC Corporation	FMC	\$104.34	77.6%	\$15,326	\$11,952	\$5,358	\$1,242	\$5,269	\$1,328

Valuation Metrics

Return Profile, Trading Multiples

		Return Profile							Trading Multiples	
Company Name	Ticker	Return on Assets	Return on Equity	Revenue Growth	EBITDA Margin	EBITDA Growth	5-yr Beta	TEV / LTM Revenue	TEV / LTM EBITDA	
Specialty Chemicals										
The Sherwin-Williams Company	SHW	9.5%	80.0%	10.5%	17.6%	32.7%	1.1x	3.6x	20.5x	
Ecolab Inc.	ECL	5.8%	16.3%	9.1%	19.7%	6.3%	1.0x	4.1x	20.8x	
PPG Industries, Inc.	PPG	5.9%	19.2%	2.0%	14.5%	18.6%	1.2x	2.2x	15.1x	
DuPont de Nemours, Inc.	DD	2.8%	3.8%	-3.9%	24.2%	-1.2%	1.2x	3.1x	12.8x	
Celanese Corporation	CE	3.4%	22.6%	7.7%	15.9%	-35.3%	1.3x	2.6x	16.5x	
	Mean Median	5.5% 5.8%	28.4% 19.2%	5.1% 7.7%	18.4% 17.6%	4.2% 6.3%	1.2x 1.2x	3.1x 3.1x	17.1x 16.5x	
Commodity Chemicals										
Dow Inc.	DOW	3.6%	9.2%	-18.1%	12.3%	-47.6%	1.3x	1.0x	8.4x	
LyondellBasell Industries N.V.	LYB	5.7%	16.6%	-19.6%	10.6%	-47.8%	1.2x	1.0x	9.3x	
Westlake Corporation	WLK	5.5%	13.1%	-8.2%	20.3%	-42.7%	1.3x	1.4x	7.1x	
	Mean Median	5.0% 5.5%	13.0% 13.1%	-15.3% -18.1%	14.4% 12.3%	-46.0% -47.6%	1.3x 1.3x	1.2x 1.0x	8.3x 8.4x	
Diversified Chemicals										
Eastman Chemical Company	EMN	4.7%	13.2%	-10.0%	16.1%	-32.1%	1.5x	1.5x	9.4x	
The Chemours Company	CC	0.6%	-8.5%	-9.2%	6.1%	-71.1%	2.0x	1.3x	21.1x	
Huntsman Corporation	HUN	2.2%	3.3%	-19.9%	8.3%	-58.4%	1.2x	0.9x	11.4x	
	Mean	2.5%	2.7%	-13.1%	10.1%	-53.9%	1.5x	1.2x	14.0x	
Source: Capital IQ	Median	2.2%	3.3%	-10.0%	8.3%	-58.4%	1.5x	1.3x	11.4x	

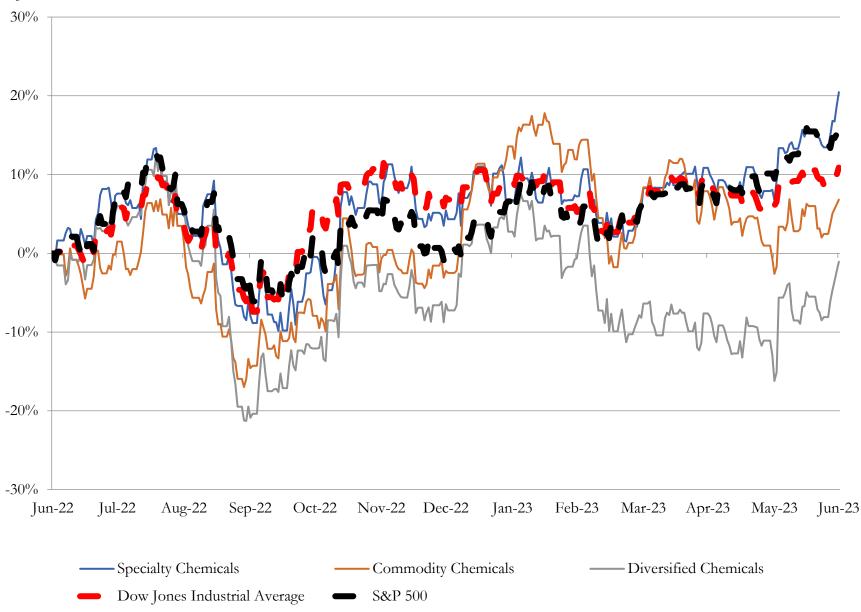
Valuation Metrics (cont.)

Return Profile, Trading Metrics

			Trading Multiples						
Company Name	Ticker	Return on Assets	Return on Equity	Revenue Growth	EBITDA Margin	EBITDA Growth	5-yr Beta	TEV / LTM Revenue	TEV / LTM EBITDA
Industrial Gases									
Linde plc	LIN	6.0%	14.2%	1.4%	34.6%	8.5%	0.9x	6.2x	17.9x
Air Products and Chemicals, Inc.	APD	5.7%	15.1%	15.4%	30.0%	6.9%	0.9x	5.7x	19.1x
	Mean	5.9%	14.6%	8.4%	32.3%	7.7%	0.9x	6.0x	18.5x
	Median	5.9%	14.6%	8.4%	32.3%	7.7%	0.9x	6.0x	18.5x
Fertilizers & Agricultural Chemicals	5								
Nutrien Ltd.	NTR	9.8%	27.6%	18.7%	29.2%	26.9%	0.0x	1.3x	4.6x
Corteva, Inc.	CTVA	3.1%	4.8%	10.3%	19.3%	-9.1%	0.8x	2.4x	12.6x
FMC Corporation	FMC	6.9%	24.9%	11.4%	24.4%	3.8%	0.8x	2.7x	11.1x
	Mean	6.6%	14.4%	18.9%	15.8%	30.1%	0.5x	2.2x	9.4x
Source: Capital IQ	Median	6.9%	12.2%	19.0%	21.8%	15.4%	0.8x	2.4x	11.1x

LTM Equity Performance

Major Indexes



Recent M&A Activity

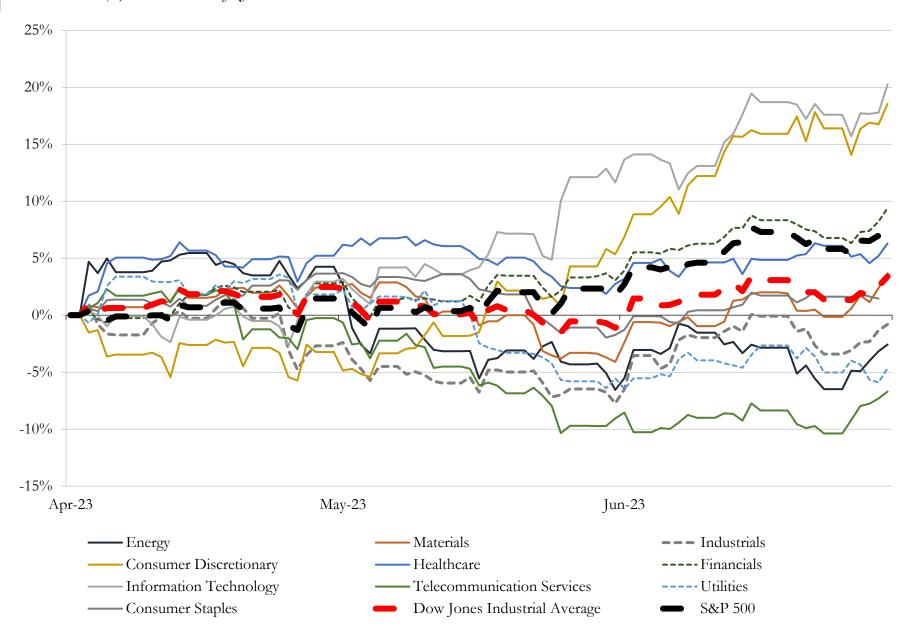
Last Twelve (12) Months as of June 30, 2023

(USD in millions)

Close Date	Target	Acquirer	Implied TEV
Mar-23	Global Products Business of Valvoline Inc.	Aramco Overseas Company B.V.	\$2,650
Sep-22	GCP Applied Technologies Inc.	Compagnie de Saint-Gobain S.A.	\$2,307
Jul-22	Microbial Control Business Unit of International Flavors & Fragrances Inc.	LANXESS Aktiengesellschaft	\$1,300
Mar-23	The Stoller Group, Inc.	Corteva, Inc.	\$1,129
Oct-22	Quadion LLC	Trelleborg Sealing Solutions US, Inc.	\$950
Feb-23	Textile Effects Business of Huntsman International LLC	Archroma Germany GmbH; Archroma Operations S.À R.L.	\$718
Oct-22	Zymergen Inc.	Ginkgo Bioworks Holdings, Inc.	\$273
Jul-22	Marrone Bio Innovations, Inc.	Bioceres Crop Solutions Corp.	\$264
Feb-23	Laminates, Films and Coated Fabrics Businesses of Synthomer plc	SURTECO North America, Inc.	\$255
Sep-22	Nucera Solutions LLC	Chase Corporation	\$250
Mar-23	ICP Industrial, Inc.	Stahl Holdings B.V.	\$205
Jan-23	American Chrome & Chemicals Inc.	Yildirim Holding A.S.	\$170
Apr-23	Iron Oxide Business of Venator Materials PLC	Cathay Industries	\$140
Dec-22	McCann Plastics, Inc.	HEXPOL AB (publ)	\$120
Nov-22	Assets of Elite Polymer Solutions	Allied Tube and Conduit Corporation; Atkore HDPE, LLC	\$92
May-23	Fortress North America, LLC	Compass Minerals International, Inc.	\$75
Oct-22	Attapulgite business assets of BASF SE	Clariant International Ltd	\$60
Feb-23	Enduro Composites, Inc.	Creative Composites Group	\$35
Feb-23	CMT Materials, Inc.	ESCO Technologies Inc.	\$18
Sep-22	Surfactant Business and Associated Assets of PerformanX Specialty	Stepan Company	\$10
Oct-22	Gssi Sealants, Inc.	H.B. Fuller Company	\$7
Jul-22	Epicor Incorporated	Evoqua Water Technologies Corp.	\$4
May-23	NanoShield windshield strengthener and related automotive assets of C-Bond		\$4
Aug-22	Significant portion of assets of XG Sciences, Inc.	NanoXplore Inc.	\$3
May-23	Nankai Enviro-Tech Corp.	Tenma Corporation	\$2
Aug-22	CFOAM Corp.	CONSOL Energy Inc.	\$1
Jun-23	Comco Plastics, Inc.	Centric Machining Solutions LLC	NA
Jun-23	Two Plastics Manufacturing Facilities Of Paragon Medical	Clayens NP Group	NA
Jun-23	Assets of Design Molded Plastics	Big Shoulders Capital LLC	NA
Jun-23	Johnson Paint Company, Inc.	Ring's End, Inc.	NA

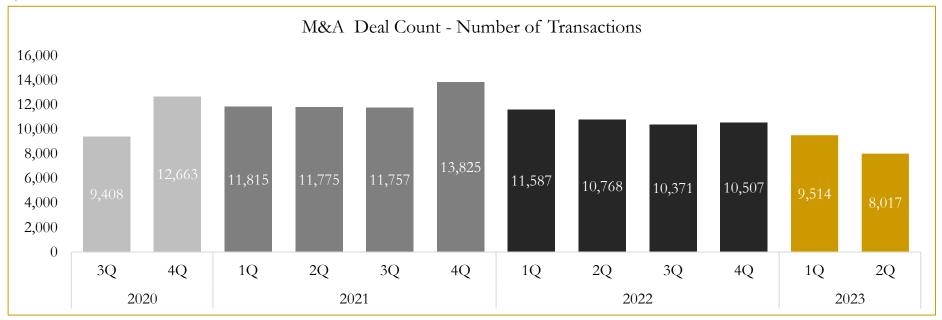
Change in Market Capitalization by Sector

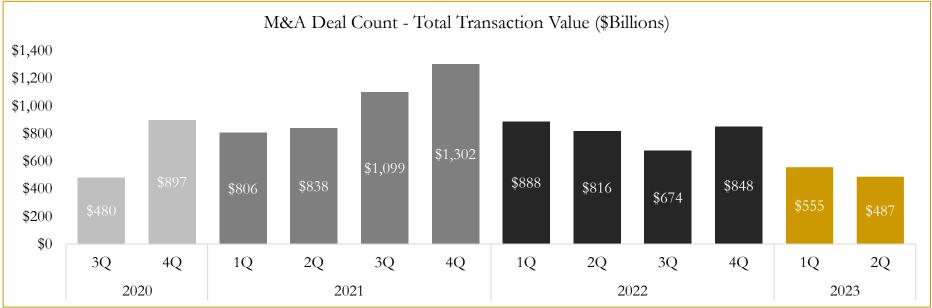
Last Three (3) Months as of June 30, 2023



M&A Deal Flow Statistics

Last Three (3) Years as of June 30, 2023





7 Houlihan Capital About Us

Houlihan Capital is a leading, solutions-driven valuation, financial advisory and investment banking firm. We pride ourselves on being thought leaders in an ever-changing landscape.

Houlihan Capital is SOC-compliant, a FINRA and SIPC member and committed to the highest levels of professional ethics and standards.

Valuation & Financial Advisory

- Portfolio Valuation (ASC 820)
- Complex & Illiquid Securities (Level 3)
- Cryptoasset /Blockchain Valuations
 - o Locked Token Valuations
- Enterprise Valuations
- Fairness & Solvency Opinions
 - o SPAC Fairness
- Estate & Gift Valuations
- Purchase Price Allocation (ASC 805)
- Goodwill Impairment Testing (ASC 350)
- Stock-based Compensation (ASC 718, IRC 409A)

Investment Banking

- Mergers & Acquisitions
 - o Sell-Side Advisory
 - o Sale of Minority Ownership Positions
 - o Leveraged Buyouts
 - o Majority Recapitalizations
 - o Corporate Divestitures
- Corporate Financial Services
 - Financial Modeling
 - Investor Presentation
 - Valuation Analysis
 - Strategic Advisory

For questions or inquiries regarding our services, please contact:

info@houlihancapital.com