



Financial Performance

Size Profile, LTM Financials, Forward Estimates

(USD in millions, except per share data)

			Size Profi	le		LTM Operati	ng Data	Forward Est	imates
Company Name	Ticker	Price at 12/31/23	% of 52 Week High	TEV	Total Assets	LTM Revenue	LTM EBITDA	2023 Est. Revenue	2023 Est. EBITDA
Specialty Chemicals									
The Sherwin-Williams Company	SHW	\$311.90	99.3%	\$88,796	\$22,954	\$23,052	\$4,250	\$23,715	\$4,501
Ecolab Inc.	ECL	\$198.35	98.4%	\$64,773	\$21,858	\$15,053	\$2,994	\$16,104	\$3,406
PPG Industries, Inc.	PPG	\$149.55	97.8%	\$39,594	\$0	\$18,246	\$2,832	\$18,696	\$3,182
DuPont de Nemours, Inc.	DD	\$76.93	97.7%	\$35,726	\$39,133	\$12,274	\$2,898	\$12,081	\$2,857
Celanese Corporation	CE	\$155.37	97.7%	\$29,130	\$25,538	\$10,719	\$1,710	\$11,281	\$2,809

Commodity Chemicals									
Dow Inc.	DOW	\$54.84	90.1%	\$51,927	\$57,967	\$44,622	\$4,711	\$45,603	\$6,238
LyondellBasell Industries N.V.	LYB	\$95.08	93.2%	\$40,942	\$36,875	\$41,384	\$4,858	\$40,626	\$5,549
Westlake Corporation	WLK	\$139.96	97.5%	\$20,981	\$21,396	\$13,021	\$2,635	\$12,407	\$2,605

Diversified Chemicals									
Eastman Chemical Company	EMN	\$89.82	97.4%	\$14,987	\$14,594	\$9,376	\$1,519	\$9,512	\$1,811
The Chemours Company	CC	\$31.54	80.8%	\$8,024	\$7,948	\$6,004	\$214	\$6,205	\$1,181
Huntsman Corporation	HUN	\$25.13	75.1%	\$6,020	\$7,369	\$6,358	\$439	\$6,207	\$539

Financial Performance (cont.)

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(USD in millions, except per share data)

			Size Prof	file		LTM Operati	ng Data	Forward Esti	imates
Company Name	Ticker	Price at 12/31/23	% of 52 Week High	TEV	Total Assets	LTM Revenue	LTM EBITDA	2023 Est. Revenue	2023 Est. EBITDA
Industrial Gases									
Linde plc	LIN	\$410.71	94.6%	\$211,364	\$77,827	\$32,451	\$11,794	\$34,351	\$12,824
Air Products and Chemicals, Inc.	APD	\$273.80	85.3%	\$68,705	\$32,003	\$12,600	\$4,011	\$13,374	\$5,480

Fertilizers & Agricultural Cher	micals								
Nutrien Ltd.	NTR	\$56.33	66.1%	\$39,685	\$52,229	\$29,967	\$6,548	\$27,502	\$5,990
Corteva, Inc.	CTVA	\$47.92	73.5%	\$36,097	\$43,110	\$17,344	\$3,246	\$17,608	\$3,564
FMC Corporation	FMC	\$63.05	47.3%	\$11,243	\$10,956	\$4,963	\$1,155	\$4,677	\$1,074

Valuation Metrics

Return Profile, Trading Multiples

				Return	n Profile			Trading 1	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	9.9%	70.1%	4.1%	18.4%	18.8%	1.1x	3.9x	20.9x
Ecolab Inc.	ECL	6.0%	16.8%	8.4%	19.9%	9.4%	1.1x	4.3x	21.6x
DuPont de Nemours, Inc.	DD	2.7%	3.7%	-6.7%	23.6%	-9.4%	1.2x	2.2x	14.0x
PPG Industries, Inc.	PPG	0.0%	17.9%	3.4%	15.5%	24.4%	1.3x	N/A	N/A
Celanese Corporation	CE	2.8%	33.3%	11.7%	16.0%	-26.8%	1.3x	2.7x	17.0x
	Mean	4.3%	28.3%	4.2%	18.7%	3.3%	1.2x	3.3x	18.4x
	Median	2.8%	17.9%	4.1%	18.4%	9.4%	1.2x	3.3x	19.0x
Commodity Chemicals									
Dow Inc.	DOW	2.2%	3.3%	-21.6%	10.6%	-46.1%	1.3x	1.2x	11.0x
LyondellBasell Industries N.V.	LYB	6.1%	17.8%	-22.0%	11.7%	-32.6%	1.2x	1.0x	8.4x
Westlake Corporation	WLK	4.9%	11.7%	-18.6%	20.2%	-43.3%	1.3x	1.6x	8.0x
	Mean	4.4%	10.9%	-20.7%	14.2%	-40.7%	1.3x	1.3x	9.1x
	Median	4.9%	11.7%	-21.6%	11.7%	-43.3%	1.3x	1.2x	8.4x
Diversified Chemicals									
Eastman Chemical Company	EMN	4.4%	10.8%	-14.0%	16.2%	-31.5%	1.5x	1.6x	9.9x
The Chemours Company	CC	-0.7%	-30.2%	-14.6%	3.6%	-83.4%	2.1x	1.3x	37.5x
Huntsman Corporation	HUN	1.3%	0.9%	-25.1%	6.9%	-67.4%	1.2x	0.9x	13.7x
	Mean	1.7%	-6.1%	-17.9%	8.9%	-60.8%	1.6x	1.3x	20.4x
Source: Capital IQ	Median	1.3%	0.9%	-14.6%	6.9%	-67.4%	1.5x	1.3x	13.7x

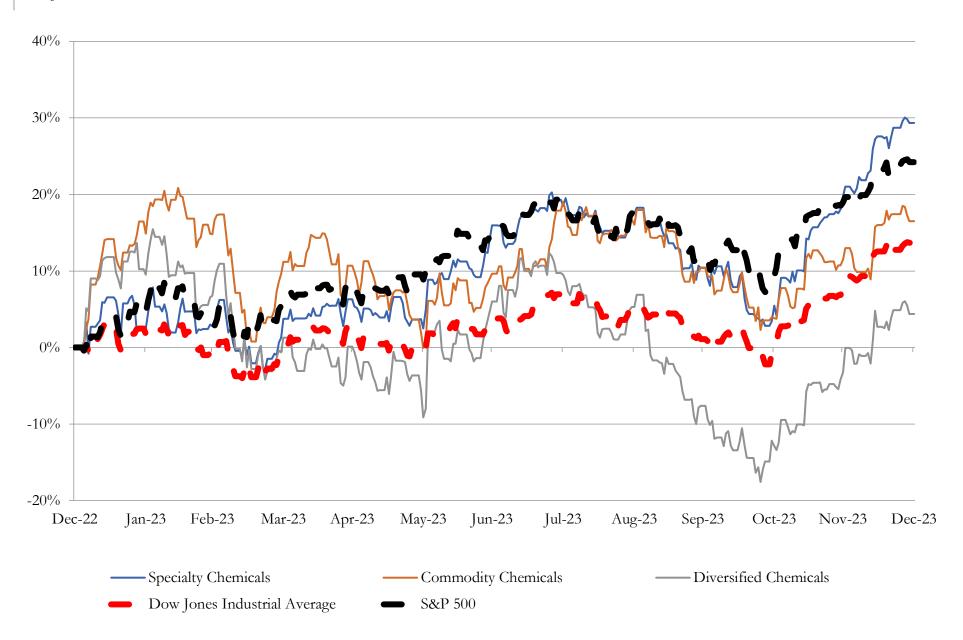
Valuation Metrics (cont.)

Return Profile, Trading Metrics

				Returr	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
Industrial Gases									
Linde plc	LIN	6.5%	15.5%	-3.9%	36.3%	9.9%	0.9x	6.5x	17.9x
Air Products and Chemicals, Inc.	APD	5.6%	15.9%	-0.8%	31.8%	5.6%	0.8x	5.5x	17.1x
	Mean	6.1%	15.7%	-2.3%	34.1%	7.8%	0.9x	6.0x	17.5x
	Median	6.1%	15.7%	-2.3%	34.1%	7.8%	0.9x	6.0x	17.5x
Fertilizers & Agricultural Chemicals									
Nutrien Ltd.	NTR	5.6%	8.7%	-18.6%	21.9%	-44.4%	0.0x	1.3x	6.1x
Corteva, Inc.	CTVA	3.0%	4.5%	1.4%	18.7%	-9.2%	0.7x	2.1x	11.1x
FMC Corporation	FMC	5.6%	18.5%	-11.3%	23.3%	-14.1%	0.9x	2.3x	9.7x
	Mean	4.8%	8.6%	5.9%	-0.6%	15.7%	0.5x	1.9x	9.0x
Source: Capital IQ	Median	5.6%	7.9%	10.0%	4.8%	-4.6%	0.7x	2.1x	9.7x

LTM Equity Performance

Major Indexes



Recent M&A Activity

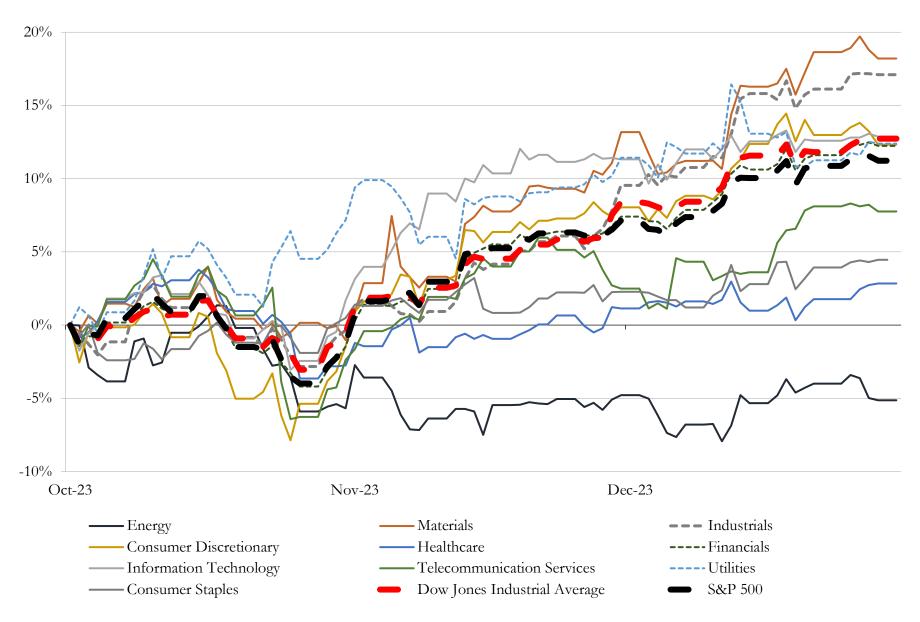
Last Twelve (12) Months as of December 31, 2023

(USD in millions)

Close Date	Target	Acquirer	Implied TEV
Jul-23	Diversey Holdings, Ltd.	Solenis LLC	\$4,516
Mar-23	Global Products Business of Valvoline Inc.	Aramco Overseas Company B.V.	\$2,650
Mar-23	The Stoller Group, Inc.	Corteva, Inc.	\$1,452
Nov-23	Chase Corporation	KKR & Co. Inc.; North America XIII Fund	\$1,330
Feb-23	Textile Effects Business of Huntsman International LLC	Archroma Germany GmbH; Archroma Operations S.À R.L.	\$718
Oct-23	KMG Chemicals, Inc. (nka:FUJIFILM Electronic Materials Process	FUJIFILM Holdings America Corporation	\$700
Mar-23	AgroFresh Solutions, Inc.	Paine Schwartz Partners, LLC; PSP AGFS Holdings, L.P	\$573
Dec-23	Texas City Operations of Eastman Chemical Company	INEOS Acetyls Americas Limited	\$452
Feb-23	Laminates, Films and Coated Fabrics Businesses of Synthomer plc	SURTECO North America, Inc.	\$255
Dec-23	Verdant Specialty Solutions LLC	Samyang Specialty Solutions LLC	\$250
Mar-23	ICP Industrial, Inc.	Stahl Holdings B.V.	\$205
Jan-23	American Chrome & Chemicals Inc.	Yildirim Holding A.S.	\$170
Nov-23	Vycom Plastics, Inc.	Plaskolite, LLC	\$140
Apr-23	Iron Oxide Business of Venator Materials PLC	Cathay Industries	\$140
Aug-23	Glycolic Acid business of The Chemours Company	PureTech Scientific Inc.	\$138
May-23	Fortress North America, LLC	Compass Minerals International, Inc.	\$68
Feb-23	Enduro Composites, Inc.	Creative Composites Group	\$35
Jul-23	Natech Plastics, Inc.	Stratec SE	\$30
Nov-23	Star Thermoplastic Alloys & Rubbers, Inc.	HEXPOL AB (publ)	\$27
Feb-23	CMT Materials, Inc.	ESCO Technologies Inc.	\$18
Oct-23	Substantially all the assets of The Miami Products & Chemical Company	Hawkins, Inc.	\$16
Dec-23	Toppen Health Inc.	Aion Therapeutic Inc.	\$5
May-23	NanoShield windshield strengthener and related automotive assets of C-Bond	Apex Protect GPS, LLC	\$4
Jul-23	EcoTech Enterprises, Inc.	Hawkins, Inc.	\$3
May-23	Nankai Enviro-Tech Corp.	Tenma Corporation	\$2
Dec-23	MoldPro, Inc.	Plastifab Industries Inc.	NA
Dec-23	R&F Industries, Inc.	Candler Industries, Inc.	NA
Dec-23	Cilajet, LLC	VSS Group	NA
Dec-23	Newsom Seed, Inc.	SiteOne Landscape Supply, Inc.	NA
Dec-23	Certain Industrial and Logistics Assets from Odom Industries Inc.	Sipcam Agro USA, Inc.	NA

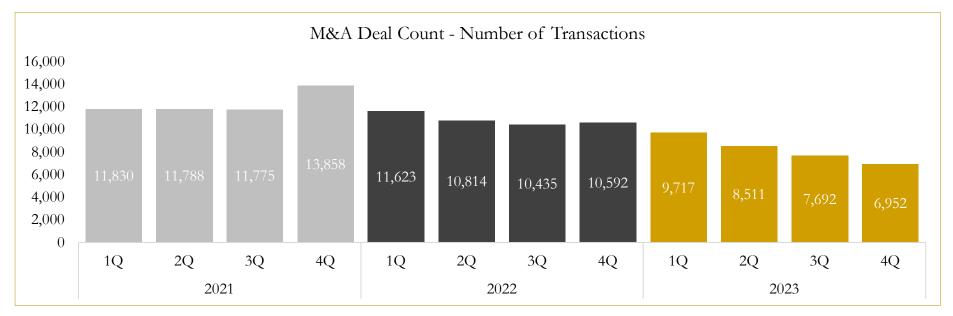
Change in Market Capitalization by Sector

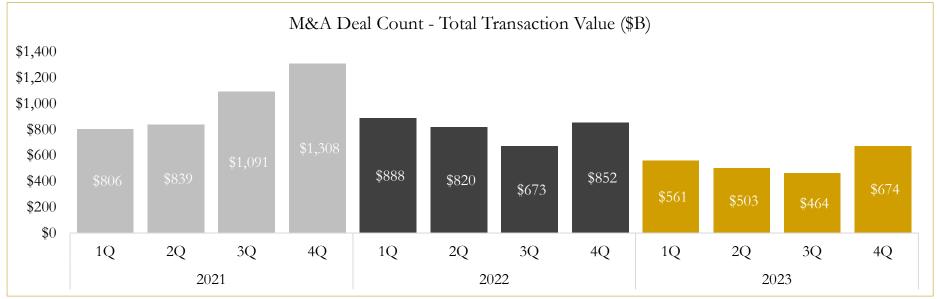
Last Three (3) Months as of December 31, 2023



M&A Deal Flow Statistics

Last Three (3) Years as of December 31, 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.

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- Complex & Illiquid Securities (Level 3)
- Cryptoasset /Blockchain Valuations
 - 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