

Valuation & Financial Advisory | Investment Banking | Litigation Support



500 W. Madison Street, Suite 2600 | Chicago, IL 60661 | <u>www.houlihancapital.com</u> | 312.450.8600 Member of FINRA | Member of SIPC

Financial Performance Size Profile, LTM Financials, Forward Estimates

(USD in millions, except per share data)

| | _ | | Size Profi | le | | LTM Operation | ng Data | Forward Estimates | |
|--------------------------------|--------|-------------------|----------------------|----------|-----------------|----------------|---------------|----------------------|---------------------|
| Company Name | Ticker | Price at 09/30/20 | % of 52 Week High | TEV | Total Assets | LTM Revenue | LTM EBITDA | 2020 Est. Revenue | 2020 Est. EBITDA |
| Specialty Chemicals | | | | | | | | | |
| The Sherwin-Williams Company | SHW | \$696.74 | 96.0% | \$68,502 | \$20,810 | \$17,987 | \$3,323 | \$18,193 | \$3,461 |
| DuPont de Nemours, Inc. | DD | \$55.48 | 75.5% | \$66,598 | \$72,141 | \$20,349 | \$4,981 | \$20,139 | \$4,937 |
| Ecolab Inc. | ECL | \$199.84 | 86.4% | \$65,845 | \$18,097 | \$14,313 | \$3,037 | \$12,016 | \$2,425 |
| PPG Industries, Inc. | PPG | \$122.08 | 90.9% | \$38,007 | \$18,300 | \$13,749 | \$2,146 | \$13,648 | \$2,356 |
| Celanese Corporation | CE | \$107.45 | 83.4% | \$19,146 | \$9,769 | \$5,496 | \$1,025 | \$5,409 | \$1,404 |
| Commodity Chemicals | | | | | | | | | |
| Dow Inc. | DOW | \$47.05 | 83.6% | \$54,086 | \$59,945 | \$38,040 | \$5,592 | \$37,604 | \$5,298 |
| LyondellBasell Industries N.V. | LYB | \$70.49 | 71.3% | \$39,057 | \$31,949 | \$27,995 | \$3,472 | \$26,634 | \$3,566 |
| Westlake Chemical Corporation | WLK | \$63.22 | 83.6% | \$12,895 | \$13,694 | \$7,422 | \$1,104 | \$7,426 | \$1,198 |
| Diversified Chemicals | | | | | | | | | |
| | | | | | | | | | |

| Eastman Chemical Company | EMN | \$78.12 | 90.5% | \$18,223 | \$16,009 | \$8,492 | \$1,614 | \$8,372 | \$1,735 |
|--------------------------|-----|---------|-------|----------|----------|---------|---------|---------|---------|
| The Chemours Company | CC | \$20.91 | 92.6% | \$7,088 | \$6,948 | \$4,984 | \$251 | \$4,861 | \$852 |
| Huntsman Corporation | HUN | \$22.21 | 89.2% | \$6,936 | \$8,097 | \$6,007 | \$437 | \$5,963 | \$585 |

| Industrial Gases | | | | | | | | | |
|----------------------------------|-----|----------|-------|-----------|----------|----------|---------|----------|---------|
| Linde plc | LIN | \$238.13 | 91.4% | \$149,750 | \$87,209 | \$27,051 | \$8,418 | \$27,000 | \$8,686 |
| Air Products and Chemicals, Inc. | APD | \$297.86 | 95.9% | \$60,201 | \$25,169 | \$8,856 | \$3,389 | \$8,946 | \$3,672 |

| Fertilizers & Agricultural Chemicals | 5 | | | | | | | | |
|--------------------------------------|------|----------|-------|----------|----------|----------|---------|----------|---------|
| Nutrien Ltd. | NTR | \$39.23 | 76.8% | \$36,280 | \$45,271 | \$19,424 | \$3,234 | \$19,735 | \$3,611 |
| Corteva, Inc. | CTVA | \$28.81 | 89.8% | \$27,392 | \$41,690 | \$13,993 | \$2,254 | \$13,973 | \$1,981 |
| FMC Corporation | FMC | \$105.91 | 93.1% | \$17,223 | \$9,772 | \$4,687 | \$1,280 | \$4,747 | \$1,306 |

Valuation Metrics

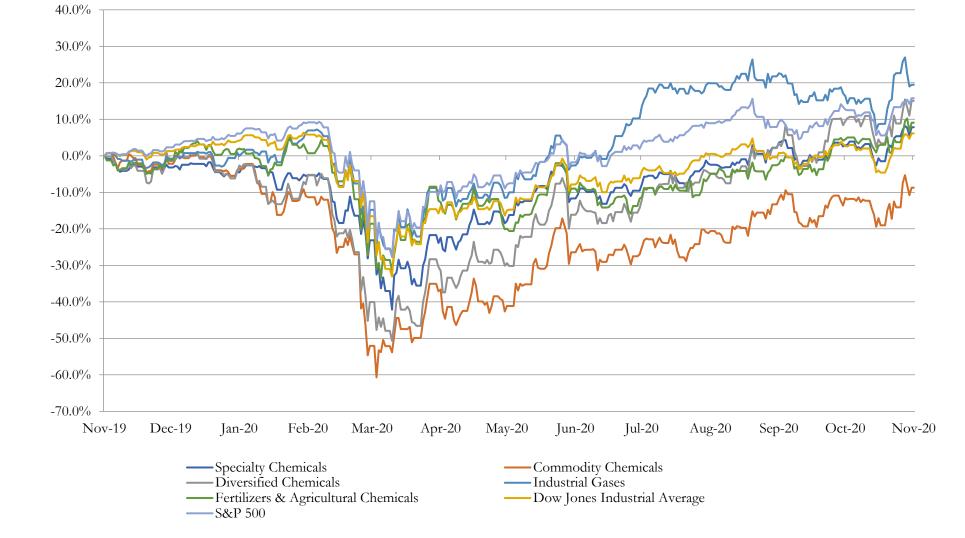
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Return Profile, Trading Multiples

| | | 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 | Iteliples IEV / LTM EBITDA 20.6x 13.4x 21.7x 17.7x 18.7x 18.7x 9.7x 11.2x 11.7x 11.5x |
| Specialty Chemicals | | | | | | | | | |
| The Sherwin-Williams Company | SHW | 8.2% | 45.5% | 0.8% | 18.5% | 23.5% | 1.1x | 3.8x | 20.6x |
| DuPont de Nemours, Inc. | DD | 1.9% | -7.4% | -6.5% | 24.5% | -22.5% | 1.3x | 3.3x | 13.4x |
| Ecolab Inc. | ECL | 6.5% | 16.5% | 9.4% | 21.2% | 3.4% | 0.9x | 4.6x | 21.7x |
| PPG Industries, Inc. | PPG | 5.6% | 20.3% | -9.1% | 15.6% | -7.5% | 1.1x | 2.8x | 17.7x |
| Celanese Corporation | CE | 4.5% | 19.7% | -16.1% | 18.6% | -25.3% | 1.2x | 3.5x | 18.7x |
| | Mean Median | 5.3% 5.6% | 18.9% 19.7% | -4.3% -6.5% | 19.7% 18.6% | -5.7% -7.5% | 1.1x 1.1x | 3.6x 3.5x | |
| Commodity Chemicals | | | | | | | | | |
| Dow Inc. | DOW | 2.8% | -14.7% | -14.9% | 14.7% | -18.8% | 0.0x | 1.4x | 9.7x |
| LyondellBasell Industries N.V. | LYB | 4.3% | 15.2% | -21.0% | 12.4% | -36.5% | 1.5x | 1.4x | 11.2x |
| Westlake Chemical Corporation | WLK | 1.8% | 5.2% | -9.8% | 14.9% | -24.5% | 1.5x | 1.7x | 11.7x |
| | Mean Median | 3.0% 2.8% | 1.9% 5.2% | -15.2% -14.9% | 14.0% 14.7% | -26.6% -24.5% | 1.0x 1.5x | 1.5x 1.4x | |
| Diversified Chemicals | | | | | | | | | |
| Eastman Chemical Company | EMN | 4.0% | 7.9% | -10.1% | 19.0% | -15.8% | 1.5x | 2.1x | 11.3x |
| The Chemours Company | CC | -0.2% | -14.8% | -11.6% | 5.0% | -73.1% | 2.4x | 1.4x | 28.2x |
| Huntsman Corporation | HUN | 1.3% | 6.3% | -13.7% | 7.3% | -44.2% | 1.7x | 1.2x | 15.9x |
| | Mean Median | 1.7% 1.3% | -0.2% 6.3% | -11.8% -11.6% | 10.4% 7.3% | -44.4% -44.2% | 1.9x 1.7x | 1.6x 1.4x | 18.5x 15.9x |

Valuation Metrics *Return Profile, Trading Multiples*

Return Profile Trading Multiples EBITDA EBITDA TEV / LTM TEV / LTM Return Revenue Return **Company Name** Ticker 5-yr Beta on Assets on Equity Growth Margin Growth Revenue EBITDA Industrial Gases Linde plc LIN 2.8% 4.7% 0.4% 31.1% 14.0% 0.8x 5.5x 17.8x Air Products and Chemicals, Inc. -0.7% 4.3% 0.9x APD 6.2% 16.3% 38.3% 6.8x 17.8x 4.5% 10.5% -0.2% 34.7% 9.1% 0.8x 6.2x 17.8x Mean Median 9.1% 0.8x 6.2x 17.8x 4.5% 10.5% -0.2% 34.7% Fertilizers & Agricultural Chemicals Nutrien Ltd. NTR 2.1% 0.4% -1.3% 16.6%-21.9% 0.0x1.9x 11.2x Corteva, Inc. CTVA 1.6% 2.5%2.3% 16.1% 17.9% 0.0x2.0x 12.2x FMC Corporation FMC 7.2% 20.2% 3.9% 27.3% 10.7% 1.0x 3.7x 13.5x 6.5% 10.8% 18.2% 0.3x Mean 3.6% 11.1% 2.5x 12.3x Median 2.1% 2.6% 10.0% 16.4% 5.4% 0.0x 2.0x 12.2x



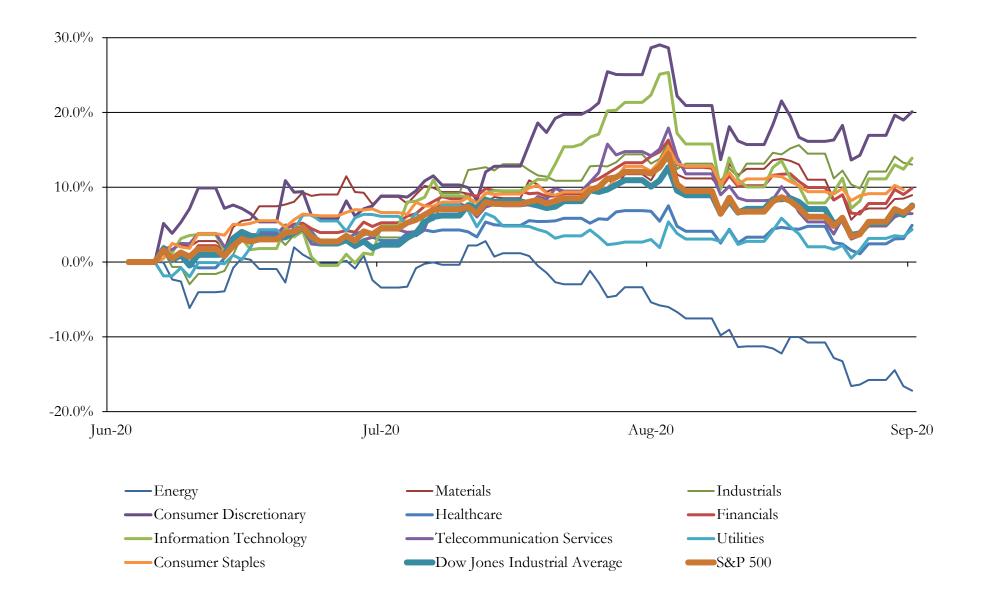
Major Indexes

Recent M&A Activity Year-to-Date 2020

| | | Target Data ^{1,2} | | | | | | | | |
|--|--|----------------------------|------------------------|------------|-------|-----------|-------------|--------------|--|--|
| Acquirer(s) | Target | Effective Date | LTM ³ Sales | LTM EBITDA | % | TEV^4 | TEV / Sales | TEV / EBITDA | | |
| Saudia Basic Industries Corporation | Clariant AG (catalysts, chemcials and additives for personal care products, plastics and coatings, oil and gas production/mining) | 9/2/2020 | \$4,595.8 | \$569.4 | 12.4% | \$9,401.4 | 2.0x | 16.5x | | |
| Showa Denko K.K. | Hitachi Chemical Company, Ltd. (advanced materials for semiconductors and liquid crystal displays) | 4/20/20 | \$5,968.2 | \$717.3 | 12.0% | \$8,994.3 | 1.5x | 12.5x | | |
| Apergy Corporation | Champion X Holding Inc. (chemicals and services for oil and gas production) | 6/3/20 | \$2,369.5 | \$388.2 | 16.4% | \$3,887.8 | 1.6x | 10.0x | | |
| Firmenich Productions Participations | Les Derives Resiniques Et Terpeniques SA. (pine resin derivates for adhesives and coatings and terpenes for fragrances, cosmetics and food supplements) | 5/28/20 | \$595.6 | \$107.8 | 18.1% | \$1,858.9 | 3.1x | 17.2x | | |
| Glenwood Private Equity | SKCKOLONPI, Inc. (polyimide films and varnishes) | 3/6/20 | \$177.9 | \$45.8 | 25.7% | \$1,008.8 | 5.7x | 22.0x | | |
| Iris Parent LLC | Innophos Holdings, Inc. (phosphate sales and acids used in foods, beverages, water and metal treatment and detergents) | 2/7/20 | \$758.5 | \$119.5 | 15.8% | \$1,003.5 | 1.3x | 8.4x | | |
| Synthomer USA LLC | OMNOVA Solutions Inc. (emulsion polymers, specialty chemicals and decorative and building products) | 4/1/20 | \$759.4 | \$70.9 | 9.3% | \$751.8 | 1.0x | 10.6x | | |
| Sumitomo Chemical Do Brasil | Nufarm Limited's South American Subsidiaries (crop protection and seed treatment business) | 4/1/20 | \$749.9 | \$83.0 | 11.1% | \$647.6 | 0.9x | 7.8x | | |
| Phatisa Fund Managers LLLC | Rolfes Holdings Limited (organic and inorganic color pigments; beneficiated silica; synthetic resins and specialty chemicals) | 2/13/20 | \$101.5 | \$6.1 | 6.0% | \$42.9 | 0.4x | 7.0x | | |
| MEAN | | | | | | | 2.0x | 12.5x | | |
| MEDIAN ¹ Source: S&P Capital IQ ² All figures listed in \$USD (millions) | ³ LTM: Last Twelve Months ⁴ TEV: Total Enterprise Value | | | | | | 1.5x | 10.6x | | |

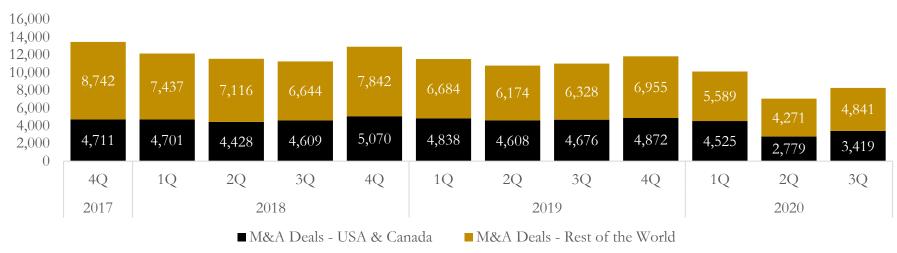
Change in Market Capitalization by Sector

Last Three (3) Months as of September 30, 2020



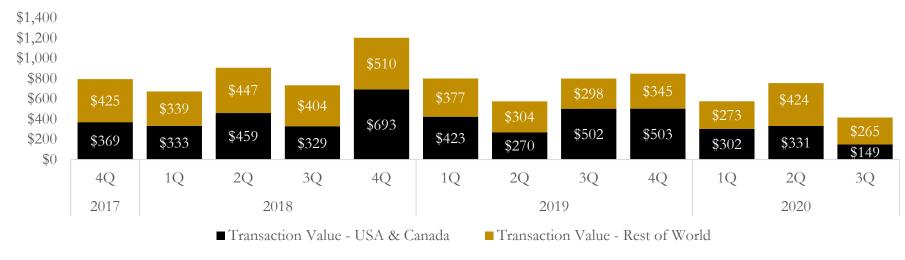
M&A Deal Flow Statistics

Last Three (3) Years as of September 30, 2020



M&A Deal Count - Number of Transactions





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About Houlihan Capital

Houlihan Capital is a leading, solutions-driven valuation, financial advisory and boutique 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

We provide an array of services that include enterprise valuations, portfolio valuation, valuation of carried interest, transaction opinions, tax and financial reporting compliance, purchase price allocations, and a wide variety of consulting services through our Financial Advisory Group.

Investment Banking

Through our Investment Banking Group, we offer sell side/buy side advisory and capital raises. Through our Special Situations desk, we provide services that fit outside the archetypal verticals, including liquidity solutions, transactional advisory, and secondary market advisory and trading.

Litigation Support

Our team provides support for a wide variety of situations including commercial and shareholder disputes, derivatives and structured finance litigation, and fraudulent conveyance.

