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Introduction

We are pleased to share our Chemical Industry Multiples Valuation Update for Q1 2025.

At Seale & Associates, we are committed to providing process-driven solutions designed to optimize value and achieve our client's strategic objectives in a range of transactions, including Mergers, Acquisitions, Divestitures and Carve-Outs, Business Sales, Recapitalizations, and Joint Ventures, among other corporate finance and strategy consulting services.

Over the course of 25+ years, we have successfully served clients all over the world, and we are delighted to continue providing investment banking advisory services to our clients who are looking to grow through acquisitions or optimize their portfolios through strategic divestitures.

Seale has extensive experience advising leading multinational companies, private equity firms, and family-owned businesses across a wide range of industries.



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Chemicals' Industry Overview

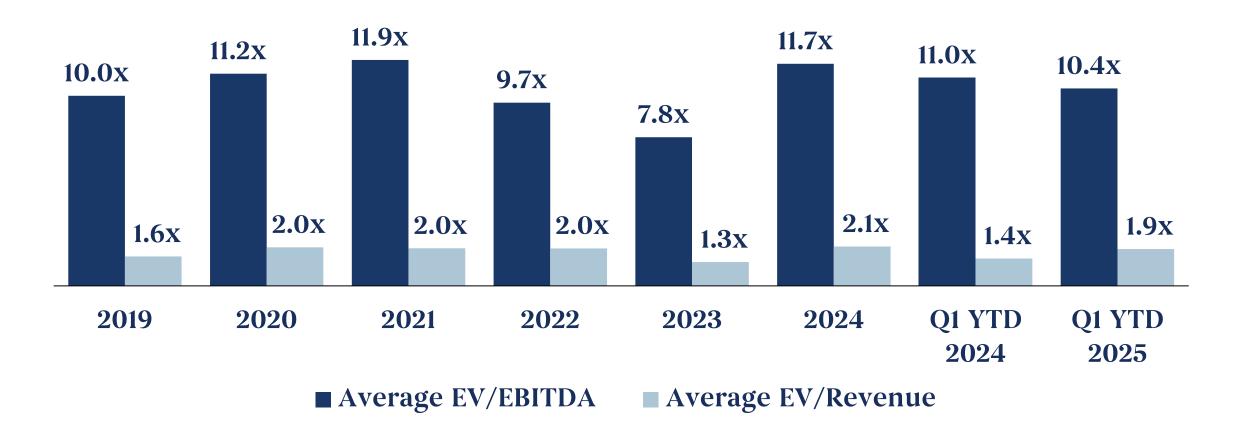
M&A Trends and Market Intelligence

- The chemical industry experiences solid growth in Q1 2025. The global Chemical Market was valued at **US\$6,000Bn** in 2024 and is expected to grow to **US\$8,632Bn** by 2033, with a projected **CAGR of 4.0%** during the forecast period
- Growth is being fueled by rising demand for sustainable materials, now enabled by breakthroughs in molecular engineering, advanced chemical synthesis, catalysis and renewable feedstock biotechnology, structural recovery across end markets and government led incentives supporting clean energy and green manufacturing
- Companies are actively pursuing cost efficiency and margin expansion through automation, digitization and Al driven process optimization, while increasing investments in green chemistry principles and wider decarbonization initiatives to maintain competitiveness and address cost pressures
- M&A continues to drive strategy, especially in Asia Pacific and North America. In Europe, despite energy and geopolitical pressures, expectations point to a gradual recovery
- Meanwhile, oil majors and national oil companies (NOCs) are becoming more active
 in specialty chemicals as petrochemicals emerge as the primary driver of long-term oil
 demand growth
- The industry's ongoing shift toward Industry 4.0 is accelerating, with many chemical players modernizing outdated infrastructure, enhancing factory resilience, and deploying AI-powered predictive analytics to improve yield, efficiency, and responsiveness across global supply chains
- Despite macroeconomic uncertainty, the chemical sector is positioning itself for **sustainable long-term growth** by balancing short-term financial pressures with transformative investments in innovation, ESG performance, and strategic capabilities

Chemicals Industry M&A Deal Size and Volume



Chemicals Industry M&A Average EV/EBITDA and EV/Revenue



Basic Chemicals Global Comparable Public Companies (1/2)

The table below presents selected publicly traded companies in the sector, serving as benchmarks for valuation, scale, and operating performance across comparable business models

			Market		•		Revenue	EBITDA	Annual Ave BITDA EV/EBITI			Quarter 31, 2025	
Company		Country	Cap. US\$M	Value US\$M	US\$M	Margin	2023	2024	EV/ EBITDA	EV/ Revenue			
IvanSix Inc.	ADVANSix	USA	\$606	\$938	\$1,559	11.9%	4.0x	6.2x	5.1x	0.6x			
PEK, S.A.B. de C.V.	alpek	MEX	\$1,074	\$3,205	\$6,854	8.0%	4.0x	6.9x	5.8x	0.5x			
askem S.A.	Braskem	BRA	\$1,554	\$11,574	\$13,770	4.8%	13.9x	14.8x	17.5x	0.8x			
bot Corporation	САВОТ	USA	\$4,508	\$5,672	\$3,908	21.1%	7.6x	8.4x	6.9x	1.5x			
emtrade Logistics Income Fund	CHEMTRADE	CAN	\$787	\$1,395	\$1,277	25.3%	4.1x	4.2x	4.3x	1.1x			
dsa, S.A.B. de C.V.	Cydsa	MEX	\$463	\$1,105	\$776	25.8%	5.4x	5.1x	5.5x	1.4x			
ow Inc.	Dow	USA	\$24,645	\$40,241	\$42,630	15.1%	6.1x	7.6x	6.2x	0.9x			
cros, S.A.	Ercros	ESP	\$290	\$436	\$718	2.8%	4.5x	26.5x	21.7x	0.6x			

Basic Chemicals Global Comparable Public Companies (2/2)

Company	Country	Market Country Cap.		Revenue	EBITDA	Annual Average EV/EBITDA		First Quarter Mar. 31, 2025	
Company	Country	US\$M	Value US\$M	US\$M	Margin	2023	2024	EV/ EBITDA	EV/ Revenue
Hawkins, Inc.	HAWKINS USA	\$2,217	\$2,333	\$974	16.2%	9.8x	15.1x	14.8x	2.4x
Koppers Holdings Inc.	KOPPERS USA	\$564	\$1,543	\$2,051	13.6%	6.9x	6.6x	5.5x	0.8x
LyondellBasell Industries N.V.	lyondellbasell USA	\$22,771	\$32,591	\$39,675	11.2%	6.9x	7.8x	7.4x	0.8x
Methanex Corporation	methon CAN the power of agility	\$2,366	\$4,998	\$3,701	23.0%	6.0x	8.1x	5.9x	1.4x
Olin Corporation	Clin ® USA	\$2,790	\$5,797	\$6,549	15.1%	4.6x	7.0x	5.9x	0.9x
Tronox Holdings plc	TRONOX 🔆 USA	\$1,112	\$3,981	\$3,038	18.2%	6.4x	10.3x	7.2x	1.3x
Unipar Carbocloro S.A.	EUNIPAR BRA	\$1,065	\$1,209	\$983	17.4%	3.6x	7.1x	7.1x	1.2x
Westlake Chemical Partners LP	Westlake Chemical USA	\$814	\$1,466	\$1,089	46.1%	3.1x	3.1x	2.9x	1.3x
Excluded from mean					Mean	5.5x	7.1x	6.1x	1.0x
					Median	5.7x	7.4x	6.1x	1.0x

Specialty Chemicals Global Comparable Public Companies (1/3)

The table below presents selected publicly traded companies in the sector, serving as benchmarks for valuation, scale, and operating performance across comparable business models

Company	Country		Market Country Cap.		Revenue	e EBITDA	Annual A		First Quarter Mar. 31, 2025	
Company		ountry -	US\$M	Value US\$M	US\$M	Margin	2023	2024	EV/ EBITDA	EV/ Revenue
BASF SE	D = BASF We create chemistry	DEU	\$44,274	\$67,616	\$70,373	11.3%	11.6x	11.2x	8.5x	1.0x
Compagnie de Saint-Gobain S.A.	SAINT-GOBAIN	FRA	\$49,248	\$60,371	\$50,336	16.4%	5.2x	6.5x	7.3x	1.2x
Daicel Corporation	DAICEL 株式会社タイセル	JPN	\$2,297	\$3,949	\$3,917	16.9%	7.0x	6.4x	6.0x	1.0x
Eastman Chemical Company	EASTMAN	USA	\$10,169	\$14,606	\$9,362	21.3%	8.7x	9.6x	7.3x	1.6x
Huntsman Corporation	HUNTSMAN Enriching lives through innovation	USA	\$2,743	\$4,844	\$5,976	8.1%	7.8x	12.2x	10.0x	0.8x
IMCD N.V.	IMCD	NLD	\$7,831	\$9,217	\$5,131	12.0%	15.7x	17.7x	14.9x	1.8x
Kemira Oyj	kemira	FIN	\$3,348	\$3,683	\$3,129	19.0%	5.3x	6.7x	6.2x	1.2x
LANXESS Aktiengesellschaft	LANXESS Energizing Chemistry	DEU	\$2,595	\$5,193	\$6,874	7.1%	8.1x	16.9x	10.7x	0.8x

Specialty Chemicals Global Comparable Public Companies (2/3)

Company	Country	Market	Enterprise Value	Revenue	EBITDA	Annual A		First Quarter Mar. 31, 2025	
Company	Country	Cap. US\$M	US\$M	US\$M	Margin	2023	2024	EV/ EBITDA	EV/ Revenue
LOTTE Fine Chemical Co., Ltd.	LOTTE KOR	\$643	\$470	\$1,166	13.3%	1.8x	2.6x	3.0x	0.4x
LSB Industries, Inc.	LSB USA	\$473	\$816	\$528	18.8%	3.7x	8.1x	8.2x	1.5x
Mıtsubishi Chemical Group Corporation	MITSUBISHI CHEMICAL JPN GROUP	\$7,004	\$22,782	\$29,432	11.7%	7.4x	6.2x	6.6x	0.8x
Nissan Chemical Corporation	Nissan Chemical JPN America Corporation	\$4,054	\$4,199	\$1,679	28.2%	12.9x	12.0x	8.9x	2.5x
NOF Corporation	S NOF JPN	\$3,171	\$2,676	\$1,591	21.7%	9.1x	8.9x	7.7x	1.7x
OCI Holdings Company Ltd.	OCÍ KOR	\$823	\$1,735	\$2,486	2.6%	1.9x	7.0x	26.5x	0.7x

Specialty Chemicals Global Comparable Public Companies (3/3)

Company		Market Country Cap.		•		EBITDA		Average BITDA	First Quarter Mar. 31, 2025	
Company		Country	US\$M	US\$M	US\$M	Margin	2023	2024	EV/ EBITDA	EV/ Revenue
Resonac Holdings Corporation	RESONAC Chemistry for Change	JPN	\$3,580	\$8,631	\$9,270	12.4%	9.3x	11.1x	7.5x	0.9x
Solvay SA Solvay SA		BEL	\$3,699	\$5,480	\$5,485	18.9%	3.8x	3.4x	5.3x	1.0x
Sumitomo Chemical Company, Limited		JPN	\$3,950	\$12,918	\$17,404	NM	12.0x	NM	NM	0.7x
Tessenderlo Group NV	Tessenderlo Group EVERY MOLECULE COUNTS	BEL	\$1,010	\$1,033	\$2,862	8.6%	5.2x	5.3x	4.2x	0.4x
The Chemours Company	Chemours*	USA	\$2,022	\$5,665	\$5,788	15.2%	6.8x	7.1x	6.5x	1.0x
Toagosei Co., Ltd.	G• TOAGOSEI	JPN	\$1,039	\$849	\$1,125	15.3%	4.8x	5.6x	4.9x	0.8x
UBE Corporation	UBE	JPN	\$1,410	\$3,072	\$3,251	11.4%	16.3x	9.0x	8.3x	0.9x
Excluded from mean						Mean	9.0x	9.3x	7.7x	1.1x
NM: Not Measurable						Median	7.4x	7.6x	7.4x	1.0x

Chemicals - Global Transactions (1/2)

The table below highlights selected global M&A transactions during Q1 2025, illustrating strategic acquisitions focused on scale, product diversification, or geographic expansion within the sector

Date	Target	Country	Description	Buyer	Seller	% Acquired	Size US\$M	EV/ EBITDA	EV/ Revenue
Mar-25*	() LOTTE CHEMICAL INDONESIA	IDN	Lotte Chemical , a petrochemicals company, agreed to aquire a 25.0% stake in PT Lotte Chemical Indonesia , a producer of petrochemical products, to enhance its financial flexibility	-	LOTTE CHEMICAL	25.0%	\$448.5	-	-
Mar-25	genesisalkali	USA	WE Soda , a producer of natural soda ash, acquired Genesis Alkali , a manufacturer of natural soda ash and related products, expanding its presence in the U.S. market	we · soda	genesisenergy	100.0%	\$1,425.0	9.7x	-
Mar-25*	NOVA Chemicals®	CAN	ADNOC, an energy and petrochemicals company, and OMV, an integrated oil and gas company, merged their stakes in Borouge and Borealis, and agreed to aquire Nova Chemicals, a producer of polyolefins, to create a global polyolefins leader	BOREALIS	MUBADALA	Merger	\$13,400.0	7.5x	4.1x
Mar-25*	NextChem Maire Tecnimont for Energy Transition	ITA	Azzurra Capital , a private equity firm specializing in sustainable growth, agreed to acquire an 8.0% stake in NextChem , a developer of circular economy and energy-transition technologies, to support its expansion	AZZURRA CAPITAL	MAIRE	8.0%	\$115.5	-	-
Mar-25*	TENNA Happy life with TENNA	JPN	FHL Holdings Inc ., an investment company, agreed to acquire a 50.6% stake in Tenma Corporation , a manufacturer of plastics and household goods, to become its new parent company and majority shareholder	FIJIAN	DaltonInvestments	50.6%	\$246.0	6.7x	0.5x
Mar-25*	天宝动物营养科技股份有限公司 A Tianbao Animal Nutrition Technology Co., Ltd.	CHN	Nanzhang Longmang Phosphorus Products Co., agreed to acquire a 60.0% stake in Tianbao Animal Nutrition Technology Co., a producer ofcalcium phosphate feed additives	Nanzhang Longmang Phosphorus Products Co.,Ltd.	Shenzhen Capital Group Co., Ltd.; Chengdu Hongtu Jingke Equity	60.0%	\$59.6	-	-
Feb-25*	√inpai	FRA	Camlin Fine Sciences , a provider of shelf-life and antioxidant solutions, agreed to aquire a 78.7% stake in Vinpai , a manufacturer of functional ingredients based on algae, plants, minerals, and fibers, to strengthen its presence in the food and nutraceutical sectors	CES Camlin Fine Sciences	Saffelberg	78.7%	\$11.4	-	2.0x

Chemicals - Global Transactions (2/2)

Date	Target	Country	Description	Buyer	Seller	% Acquired	Size US\$M	EV/ EBITDA	EV/ Revenue
Feb-25*	BAVARIA SCHWEISSTECHNIK	DEU	ESAB Corporation , a provider of welding and cutting solutions, agreed to aquire Bavaria SchweißTechnik , a manufacturer of welding powders and flux materials, to enhance its portfolio and support growth in faster-growing markets	ESAB CORPORATION	-	100.0%	\$62.8	-	-
Feb-25*	O LOTTE CHEMICAL PAKISTAN LTD	PAK	AsiaPak Investments and Montage Oil agreed to acquire a 75.0% stake in Lotte Chemical Pakistan, a producer of purified terephthalic acid, to take control and expand operations in the chemicals sector	ASIAPack MONTAGE OIL	LOTTE CHEMICAL	75.0%	\$132.8	-	-
Feb-25	SENN	CHE	Granules India , a pharmaceutical company, acquired Senn Chemicals , a CDMO specializing in peptide and amino acid derivatives, to expand into the high-growth peptide therapeutics and CDMO market globally	GRANULES	SENN	100.0%	\$22.2	-	-
Jan-25*	Hangzhou New Century Mixed Gases Co.	CHN	Hangzhou Oxygen Plant Group Co. , an industrial gas and equipment company, agreed to acquire a 51.0% stake in Hangzhou New Century Mixed Gases Co. , a manufacturer of gas, for strategic expansion	抗災 抗州樹氧机集团股份有限公司 HANGZHOU OXYGEN PLANT GROUP CO.LTD.	Multiple Sellers	51.0%	\$18.3	-	-
Jan-25	Kodiak Carbonic	USA	Alto Ingredients , a producer of specialty alcohols and essential ingredients, agreed to acquire Kodiak Carbonic , a supplier of beverage-grade liquid carbon dioxide, to expand its CO_2 capabilities and strengthen its ingredient platform	INGREDIENTS	-	100.0%	\$7.3	-	-
Jan-25*	Premier Paint Company	SAU	Saudi Industrial Paint Company Limited (SIPCO), a subsidiary of Kaizen Paint Middle East, agreed to acquire Premium Paints Company (PPC), a manufacturer of decorative coatings, to strengthen local production	Painte See 195 Calilas	SHERWIN-WILLIAMS.	100.0%	\$4.6	-	-
Exclu	uded from mean						Mean	8.0x	2.2x
NM: Not	t Measurable						Median	7.5x	2.0x

Source: Capital IQ, Companies' Press Releases, Mergermarket

Sector Relevant Experience

Extensive M&A transaction experience, including:

- •Exclusive financial advisor to Cosmocel S.A. de C.V. on multiple deals
 - Partnership of Cosmocel S.A. de C.V with Rovensa and the divestiture of Cosmocel Química to ICL Performance Products LLC
- Exclusive financial advisor to PromaPlast
 - Sale of PromaPlast Resinas, S.A. de C.V. to IMCD N.V.
- Exclusive financial advisor to Andes Chemical Group
 - Sale of Andes Chemical Corp. to IMCD N.V.
- •Exclusive financial advisor to W.R. Grace & Co. on multiple divestitures
 - Sale of Grace Membranes Business to UOP LLC, a Honeywell International Company, and Grace Specialty Vermiculite Business to Vermiculite Acquisition Corp.
- •Exclusive financial advisor to Grupo Bioquímico Mexicano S.A. de C.V. ("GBM")
 - Sale of Grupo Bioquímico Mexicano, S.A. de C.V. to Arysta LifeScience Corporation.
- Corporate Finance Advisory Services to Velsicol Chemical Corporation

























Cosmocel

TARGETCosmocel

TRANSACTION TYPESell-side Advisory

INDUSTRIES

Biostimulants, Plant Nutrients

GEOGRAPHYNuevo Leon, Mexico

SITUATION

Seale & Associates acted as exclusive financial advisor to Cosmocel in its partnership with Rovensa.

SEALE & ASSOCIATES' APPROACH

Seale was engaged by Cosmocel, a key player in the dynamic biostimulants industry, with the objective of exploring a range of strategic alternatives. This vital initiative aims to empower Cosmocel to not only continue but also to significantly enhance its trajectory of sustained high growth within the vibrant and rapidly evolving biostimulants market.

OUTCOME

Rovensa added Cosmocel to its biostimulants global platform, representing a significant step forward in its expansion and growth strategy in the Latin American agricultural sector. This transaction not only strengthens Rovensa's presence in a key agricultural region but also allows it to leverage Cosmocel's advanced technologies and specialized solutions.

"This strategic integration highlights our growth ambitions in the BioSolutions international market and our strong commitment to sustainable agriculture"



"We are thrilled to welcome COSMOCEL to the group to strengthen our global presence as a reference provider of well-balanced solutions for agriculture. This strategic integration highlights our growth ambitions in the BioSolutions international market and our strong commitment to sustainable agriculture. The high quality and complementary range of biostimulants and bio-performance products of COSMOCEL, their culture, their market approach, the quality and commitment of their people and management, and their production capacities will give us a unique position to offer the best nature-based solutions for our distributors and farmers, leveraging on our global scale and capabilities."

Eric van Innis, CEO of Rovensa

W.R. GRACE & CO.

TARGET

W.R. Grace's Specialty Vermiculite Business

TRANSACTION TYPESell-side Advisory

INDUSTRIESSpecialty Chemicals

GEOGRAPHY
South Carolina, USA;
Canada

SITUATION

Seale & Associates acted as financial advisor to W.R. Grace & Co. (NYSE:GRA) on the sale of its specialty vermiculite business to Vermiculite Acquisition Corp., a sister company of Specialty Vermiculite Corporation. W.R. Grace's specialty vermiculite business is a leading producer of branded high-performance vermiculite products with annual production of approximately 50,000 tons.

SEALE & ASSOCIATES' APPROACH

Seale's professionals ran a competitive auction process, managing multiple strategic buyers from around the world and select private equity buyers with industry experience. Seale also coordinated diligence across multiple locations in the U.S. and Canada while complying with the requirements of the trustees and the court managing the W.R. Grace bankruptcy process.

OUTCOME

The process resulted in a sale to a strategic buyer with significant synergies at a premium price and at favorable terms to W.R. Grace. This transaction was significant to W.R. Grace as it was the last business associated with W.R. Grace's asbestos claims.

"We trust Seale because they consistently offer creative and valuable advice"



has sold its

Specialty Vermiculite
Business

to

Vermiculite Acquisition Corp.

a sister company of



"Seale is one of our preferred investment banks because of their commitment to client service. They take the time to understand each of our business units and the dynamics of our unique specialty chemical and performance material segments in a way that other banks simply don't.

We trust Seale because they consistently offer creative and valuable advice, and we know that the culture of the firm is built on integrity."

Jeremy Rohen, Vice President of Corporate Development, W.R. Grace & Co.

PromaPlast

TARGETPromaPlast

TRANSACTION TYPESell-side Advisory

INDUSTRIESChemicals

GEOGRAPHYState of Mexico, Mexico

SITUATION

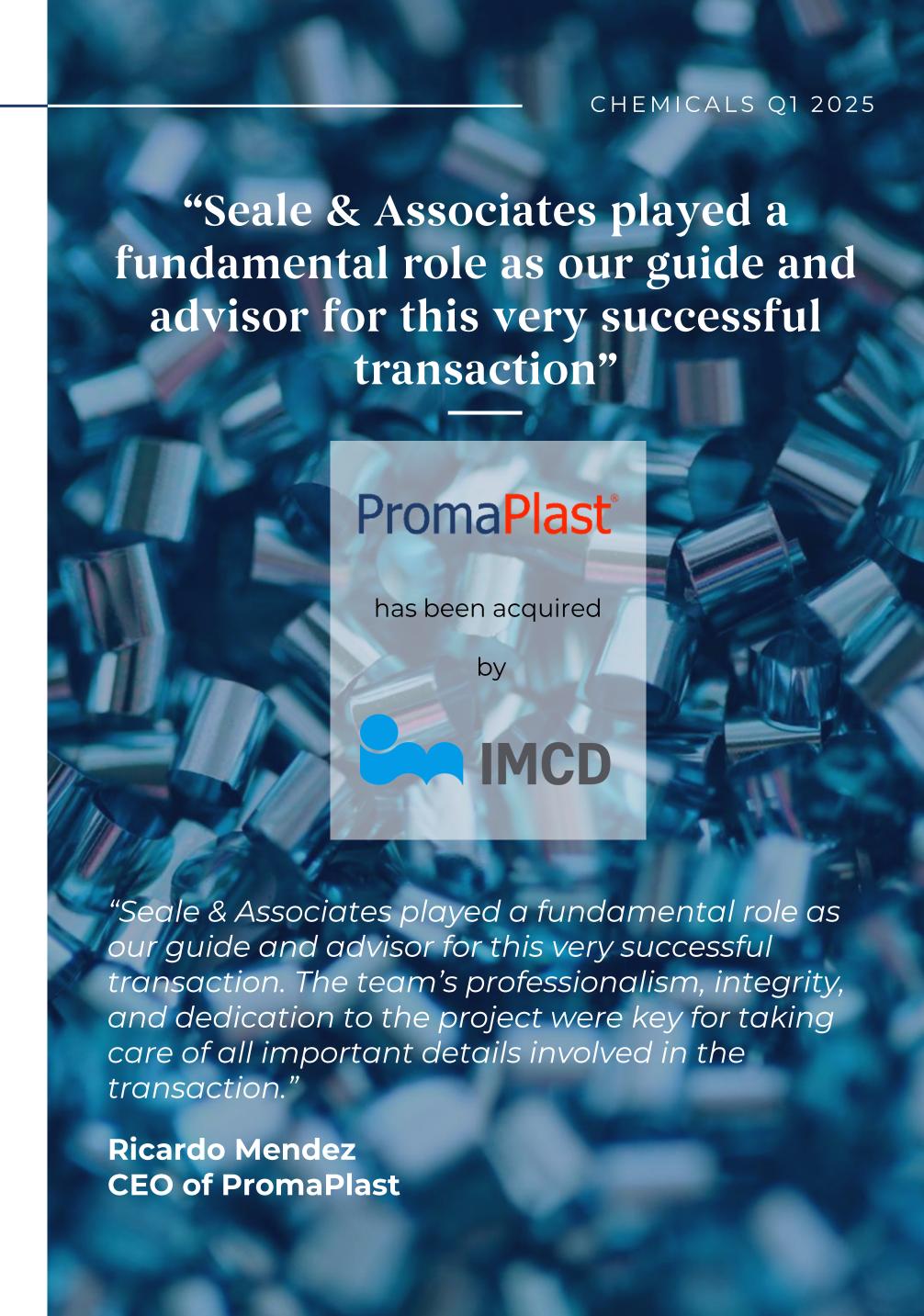
Seale & Associates acted as financial advisor to PromaPlast Resinas, S.A. de C.V., Proveedora de Materiales Plasticos, S.A. de C.V. and PromaPlast USA Inc., (collectively "PromaPlast"), on the successful agreement to divest the companies to IMCD N.V. ("IMCD").

SEALE & ASSOCIATES' APPROACH

Seale managed a competitive auction process with potential strategic and financial buyers for PromaPlast. Seale's disciplined approach allowed our client to maintain momentum, negotiating leverage throughout the process and ensure closing at a premium value and more favorable terms.

OUTCOME

The process resulted in a successful acquisition of PromaPlast by IMCD N.V. a global leader in the sales, marketing, and distribution of specialty chemicals and ingredients.



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We deliver sector-specific intelligence designed specifically for industry leaders, private equity firms, and their advisors. Our industry reports and featured articles deliver real-time access to key industry data, including:



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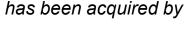
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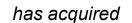


Zinc Oxide Corporation

a subsidiary of









from





has been acquired by







was refinanced by

H.J.BAKER





has acquired













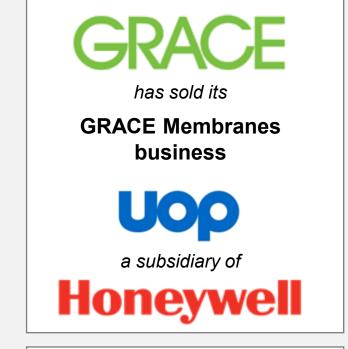






TGG GORES GROUP



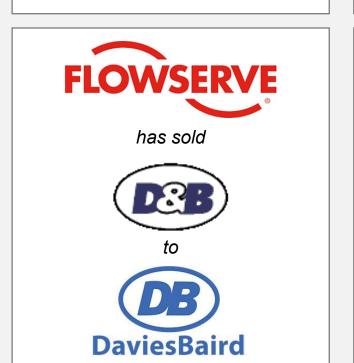
















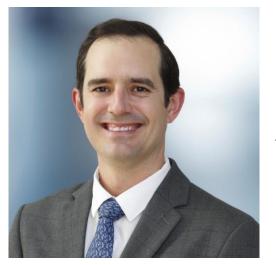


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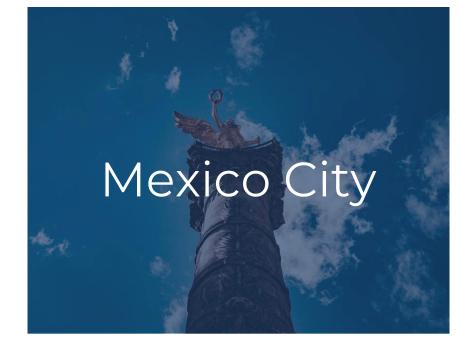


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The George Washington University - MBA International Business and MA - International Affairs

University of Florida - BA in Political Science with High Honors



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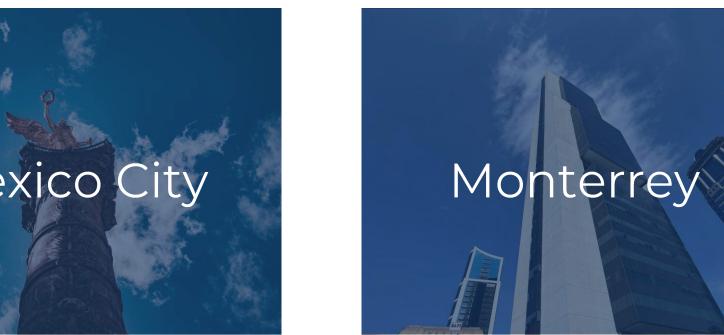


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32+ years with Grupo Industrial Saltillo with experience as Director, Corp. Dev. and extensive global commercial experience Instituto Tecnologico y de Estudios Superiores de Monterrey MBA and BS in Industrial Engineering





For over 25 years, Seale & Associates has served leading public and private companies from around the world and operating in a broad range of industries with a high level of quality, integrity and independence while presenting innovative ideas and trusted solutions to address their most complex dealings

Years of Experience



Closed Transactions Globally

Services & Solutions

Mergers & Acquisitions

Divestitures

Joint Ventures / Alliances

Recapitalizations

Due Diligence / Support

Expert Witness Testimony

Corporate Finance Advisory

Strategy Consulting

Trusted Advisor to Leading Companies Worldwide

We have worked repeatedly with many of the most well-known and respected companies in the world...











































...as well as with many private equity funds, familyoffices and privately held companies.



















Creative Solutions. Trusted Advice.