Introduction

As highlighted in our 2022 Global chemical industry mergers and acquisitions outlook (2022 Outlook), 2022 started with optimism for yet another year of strong mergers and acquisitions (M&A) activity in the chemicals industry.

However, despite the seemingly optimistic sentiment, the many headwinds that surfaced throughout 2022 proved too much, resulting in a 21% decrease in the number of global M&A transactions from the 10-year high experienced in 2021.

Aside from 2020, which was impacted by the initial outbreak of the global COVID-19 pandemic, 2022 experienced the lowest level of global chemical M&A volume since 2013 (figure 1). Compared to the pre-COVID five-year average (2015 – 2019), chemical M&A volumes deceased by approximately 12% in 2022.
The year started strong with 158 M&A transactions in the first quarter, but uncertainty created by European geopolitical tensions in late February and its impact on energy prices quickly led to many chemical companies to adopt a more cautious M&A approach. Oil experienced near record levels of volatility during the year with US West Texas Intermediate (WTI) reaching $124/barrel and Brent crude reaching $133/barrel in March before falling back to the $70 - $80/barrel range in December.\(^1\) Likewise, natural gas prices resulted in many chemical companies making the difficult decision to halt certain European production regardless of the relatively strong customer demand for their products.\(^2\)

This energy price volatility and its impact on downstream feedstock costs continued to make it difficult for many chemical companies to plan their operations and make long-term investment decisions—including M&A—throughout 2022.

Another significant headwind impacting chemical M&A activity is the aggressive central bank policies in raising interest rates to combat inflation. The US Federal Reserve increased the federal funds rate by 425 basis points in 2022. Likewise, the European Central Bank increased rates four times in 2022, bringing the euro zone rate out of negative rate territory for the first time since 2014.\(^3\) These interest rate increases have been coupled with reductions in both central banks’ balance sheets in 2022 further adding to the fiscal tightening. This has led to slow down in the leveraged finance market, with many direct lenders and M&A capital providers tightening loan underwriting requirements and requiring larger amounts of equity from buyers.\(^4\) As discussed in our 2022 Outlook, private equity has played a very meaningful role in chemical M&A, participating as a buyer in 85 transactions in 2021. When compared to corporate buyers, the tightening credit markets had a greater impact on potential private equity M&A participants, which saw a decrease in the number of M&A transactions by nearly 40% in 2022 (see Figure 3).
The rising interest rate environment and overall quantitative tightening have many questioning if or when a slow-down or even recession is coming. Many chemical companies have experienced slumping demand in the back-half of 2022, resulting in decreased revenue and earnings and some announcing reductions in workforces. As such, many in the chemical industry were focused on weathering the fluctuations in demand and continued supply chain disruptions, while controlling costs in 2022 and less focused on M&A.

These aforementioned headwinds have created a value/price dislocation between buyers and sellers resulting in many potential buyers and sellers hitting the pause button on transactions until there is more clarity or stability around energy prices, interest rates, and the economic outlook. This has also resulted in chemical companies shifting away from placing bigger bets on high-profile M&A deals, resulting in fewer than half of the M&A deals in excess $1 billion dollars in 2022 compared to 2021 (figure 4).

We have also seen participants in the chemical M&A markets get more creative to get deals across the finish line. One example of this was LANXESS and Advent International forming a joint venture (JV), acquiring Royal DSM’s Engineering Materials business and LANXESS transferring its High Performance Materials business into the JV.

Will the current macroeconomic and geopolitical headwinds continue to weigh on M&A in the chemicals industry in 2023? What does our latest chemical M&A survey reveal about M&A optimism and priorities of chemical companies heading into 2023? Is sustainability and the move to circularity still a significant influence on chemical company’s M&A strategy? Will private equity continue to invest in the chemicals industry in 2023? What is in store at the sector and geographic level for chemical M&A as we head further into 2023?

We will explore these and other questions in the 2023 Global chemical industry mergers and acquisitions outlook.
Outcomes of the chemical M&A survey

Our survey polled 54 executives at chemical companies across sectors and geographies between January 3, 2023, and January 23, 2023, to assess M&A sentiment and future M&A plans (2023 Survey). Below is a summary of the results from the survey, and key insights from survey respondents.

Despite the aforementioned M&A headwinds, 90% of the chemical executives surveyed were still bullish that they were at least somewhat likely to undertake a merger or acquisition in 2023. However, it is worth noting that in our survey the previous year (see our 2022 Outlook), it was unanimous with 100% of survey respondents saying they were at least somewhat likely to undertake a merger or acquisition over the next 12 months.

When executives were asked what was driving their company’s acquisition strategy, expansion of their portfolio/technical capability was the most-cited driver for the third-year in a row. This was followed by geographic expansion. Interestingly, meeting your company’s sustainability/ESG goals or increase your ability to offer customers carbon-neutral/sustainably produced products was cited as a driver of their M&A strategy by only 14% of executives in this year’s survey compared to 30% of executives in last year’s survey.

Additionally, the most attractive end-market for M&A from survey respondents was electronic materials, with twelve respondents ranking it as their most attractive end market and four ranking it second. This was closely followed by advanced resins/plastics, which was most attractive end-market for the last two years in the survey, with nine ranking it their most attractive end-market and seven ranking it second. The long-term secular growth trends in these end markets have made them attractive investment areas for many chemical companies. We have also seen that this has translated to more competitive M&A processes and ultimately higher deal multiples for quality companies with exposures to these end-markets.
Only 24% of survey respondents said the current acquisition climate is extremely or very competitive – down from 88% in last year’s survey – a possible indication of lower value expectations of chemical companies participating in M&A over the next year; however, this has not yet played out in the early parts of 2023.
For the third straight year, chemical executives surveyed were not as bullish on divestitures as they were on a merger or acquisition. However, they have become slightly more bullish on divestitures compared to last year, with 56% saying their company is either very likely or somewhat likely to undertake a divestiture over the next 12 months, compared to 45% in last year’s survey. Of the 30 survey respondents who said their companies were very likely or somewhat likely to undertake divestiture over the next 12 months, 90% of them noted non-core portfolio pruning as driver of their divestiture strategy – an indication that the trend of the chemical industry focusing on their core strengths, technologies, and markets will continue. Additionally, in this year’s survey 63% of our 54 chemical executive survey participants said that the high energy input costs and the current economic outlook are requiring them to take a deeper focus or have stressed financial performance of particular businesses or geographies in their portfolios. Interestingly, liquidity needs/debt covenants was cited as a driver of divestiture strategy in this year’s survey by 13% of survey respondents – which compared to none in last year’s survey. The continuing economic headwinds and slumping financial results in the chemical industry will likely require some chemical companies to turn to divestitures to provide the capital to continue to invest in growing and more profitable parts of their business.
For the third year in a row, organic growth was selected as the top focus area over the next 12 months, with 17 respondents ranking it as their top priority and 29 respondents ranking it among their top four priorities for 2023. Large transformational acquisitions was only ranked by 13% of respondents as a top-four priority in this year’s survey, compared to 33% of respondents in last year’s survey. However, small strategic acquisitions was ranked by 55% of chemical executives surveyed as a top-four priority, which is in line with last year’s survey results - reinforcing the fact that acquisitions remain a key priority for chemical companies in 2023, albeit likely smaller tuck-ins or bolt-on acquisitions versus large transformational deals.

There were a couple notable changes in survey responses this year compared to last year. In our survey last year, only one executive ranked liquidity/cost reduction/working capital efficiency as their top priority over the next 12 months, compared to this year which saw 12 executives – over 20% of survey respondents – rank it as their #1 focus area over the next 12 months. This was second only to organic growth and an indication that the softening financial results is having an impact and causing many chemical companies to focus attention inward and less on M&A. Another area of change, and possibly somewhat related to the first, is the drop in priority amongst survey respondents with regards to sustainability/ESG/decarbonization goals.

Last year, nearly 50% of all survey respondents listed it as a top-four priority over the next 12 months, while in this year’s survey less than 30% listed it as a top-four priority over the next 12 months. This is not to say that sustainability, ESG, and decarbonization goals are no longer important to chemical companies, but rather, over the next 12 months it may be somewhat less of a priority compared to others, such as organic growth and liquidity/cost reductions.
ESG—Maintaining momentum amid competing priorities

Last year, we spoke about the broad lens (e.g., beyond Scope 1, Scope 2 or Scope 3 emissions) that chemical companies use when assessing how acquisitions help achieve ESG goals. We continued to see M&A press releases focusing on how a particular deal contributes to any number of ESG-friendly topics such as product lines leveraging recycled materials, lightweighting products for fewer CO2 emissions downstream, etc.

In 2022, we continued to see direct acquisitions supporting ESG goals; however, we also recognize that there are competing priorities for chemical company executives which were highlighted in the 2023 Survey.

When asked whether the ESG profile of a potential acquisition target is assessed as a potential deal consideration, an almost-equal proportion of executives (78%) responded “Yes” when compared to last year’s survey. However, the difference appears not whether it is a consideration or not, but the level of focus it gets. When we asked those executives for which it is a focus how important it is, we noted a marked shift in responses from last year’s survey.

In 2022, 100% of the respondents viewed this as either “Very important” or “Important” while in this year’s survey, this has shifted downward to where no survey respondents viewed it as “Very important” and all respondents view it as “Important” or only “Somewhat important”. This trend featured in another survey Deloitte conducted across a broader industries in June 2022, ESG in M&A Pulse Survey, which found that “43% of respondents say that ESG topics are occasionally, rarely, or very rarely part of the M&A conversation.”
As pointed out previously, when we asked executives to rank focus areas for their companies in the coming 12 months, including, but not limited to various M&A topics, Sustainability/ESG/decarbonization goals fell in terms of priority from the prior year survey.

In a year which saw significant increases in feedstock and energy costs, flattening or declining demand, along with interest rates rising across the globe, executives seem to be prioritizing more immediate needs first while still keeping an eye on longer-term environmental goals and aspirations.

While the principal focus may not have been on this topic for many companies, there were still plenty of ESG-driven deals in the chemical industry in 2022. We did see several notable deals or non-controlling investments in the ESG space, including Ascend Performance Materials acquiring controlling stake in Circular Polymers, a recycler of various polymers, and Braskem’s investment in and subsequent offtake agreement with Nexus Circular, Dow’s investment in a zero-carbon emission gas terminal on its Stade, Germany facilities as well as various deals to acquire mechanical recyclers.

Divestitures have been another area of focus for chemical companies looking to shed carbon-intensive assets; however, this may not reduce overall emissions but instead transfer them to another party. This makes identifying such divestitures challenging as few jointly-agreed press releases, if any, speak to carbon emissions shifting from one party to the next.

Non-sale options exist for companies looking to transform their carbon footprint, too. LyondellBasell has floated the possibility of transforming its soon-to-be shuttered refinery into a chemical recycling facility which would significantly reduce its own emissions while also contributing to circularity of its core polyolefins lines. These brownfield or greenfield type investments are an ongoing trend within the industry, joining the likes of Eastman Chemical’s announced investments for molecular recycling plants in Normandy, France and Kingsport, TN as well as numerous other announced investments by other companies in similar technologies or other recycling methods.

Clear ESG drivers of M&A remain as much of a challenge to pinpoint as in prior years. There are both consumer driven and economic tailwinds behind these types of investments and they seem to be gaining momentum. The investments appear to continue to be split among traditional M&A, divestitures, joint ventures or other minority investments, as well as capital projects, with each company choosing one or more methods to achieve their ESG goals. Once immediate term concerns around liquidity and profitability can be addressed, we may see an increased focus on these type of investments in the second half of 2023 and into 2024.
### Mergers and acquisitions activity by chemical sector

**Figure 5: Global chemical industry mergers and acquisitions by target sector (2012 to 2022)**

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Commodity chemicals
Following 2021’s decade-high deal activity, commodity chemical M&A volumes saw a 15% decline in 2022 to a low not seen in the last 10 years except for 2020, which was impacted by the initial COVID-19 global outbreak. While balance sheets remained healthy due to mostly healthy margins in the first half of 2022, commodity chemical M&A activity was dampened by a volatile energy pricing environment and elevated geopolitical risks. Either of these factors, but particularly in combination, make forecasting cash flows a daunting task. Unsurprisingly, nowhere was this problem more acute than in Europe, where Russian natural gas cuts forced some petrochemical companies to either significantly reduce or stop production altogether. For instance, BASF SE cut production of ammonia at its Antwerp and Ludwigshafen operations, the latter being the world’s largest integrated chemical operation.9

In the face of heightened uncertainties, deals still got done as those well-positioned found opportunities to grow product portfolios and expand technical and production capabilities through M&A. Some examples include Aramco’s acquisition of Valvoline’s global products business10 for US$2.65 billion and INEOS’s series of China-based petrochemical deals with SINOPEC totaling US$7.00 billion.11

Activity in this sector was also marked by a continuation of a trend noted in our 2022 Outlook – a focus on growing downstream value-added businesses. One example, and the largest deal of the 2022 in the sector, was the acquisition by Celanese of DuPont’s Mobility and Materials business for US$11.0 billion.12 We expect many commodity chemical companies to continue to move into more downstream value-added materials where they have better pricing power with customers, such as advanced resins and plastics.

As geopolitical headwinds and energy pricing challenges persist today, it is difficult to predict 2023 being a significantly more active year for commodity chemicals M&A. We expect that more modest valuations, healthy balance sheets and the need to monetize non-core assets will be key factors in determining 2023’s volumes.

Specialty chemicals & materials
The comparison to 2021 volumes is similarly challenging for the specialty chemicals and materials sector, as volumes dropped nearly one-third in 2022 from a decade-high. That said, this sector was responsible for some of the largest chemical deals in 2022.

Koninklijke DSM N.Vs (“DSM”) portfolio reshaping is to thank for many of the largest deals in the sector, with three notable transactions totaling approximately US $26 billion13, including its divestitures of its Engineering Materials business14 and its Protective Materials business15 followed by the merger of its remaining operations with fragrance and taste business Fermenich, the last of which was valued at US $20.6 billion. The year’s second-largest transaction was the announced combination of Novozymes A/S16 and Chr. Hansen Holding A/S valued at US $12.44 billion.

Despite rising borrowing costs, private equity still played a meaningful role in this sector, demonstrated by American Securities acquisition of Meridian Adhesives Group17 and Advent International’s partnership with LANXESS in acquiring DSM’s engineering materials business for €3.7 billion18. With persisting headwinds requiring deal structures to be more flexible and creative and with plenty of consolidation opportunities, look for private equity’s role to continue in a meaningful way in this sector.

In our survey, 90% of executives in this specialty chemicals and materials sector responded it was either very likely or somewhat likely they would undertake an acquisition in 2023, with 69% saying it was very likely. As such, we expect chemical companies in this sector to be active in 2023 as they seek growth through M&A.

Fertilizers and agricultural chemicals
The fertilizer and agricultural chemical sector followed a similar path in 2022, with M&A volumes down 32% from 2021 levels.

Despite the significant drop in volume, one theme made itself clear: chemical companies are looking to M&A to address the challenges of agricultural sustainability, food security, and climate change. This resulted in some notable deals in the biologics sector, including Corteva, Inc.’s announced acquisition of both The Stoller Group, Inc. for US$ 1.2 billion19 and Symborg, a Spain-based agricultural biotechnology business.20 In addition, Bioceres Crop Solution Corp. acquired Marrone Bio Innovations, Inc., a developer of biological crop solutions, for US $207 million21. Separately and worth mentioning is Boréalis AG’s sale of its nitrogen business valued at €810 million to Czech-Republic-based conglomerate AGROFERT, the third largest deal of the year in this sector.

A transformation in the agriculture landscape is being fueled by a shift in consumer food preferences and a heightened awareness of the environmental impact of agriculture and the effects on climate change. This presents opportunities for fertilizer and agriculture chemical companies and we expect they will continue to pursue M&A to turn these opportunities into realities in 2023.
Mergers and acquisitions activity by geography

Figure 7: Global chemical industry mergers and acquisitions by target country (2012 to 2022)

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Source: Deloitte Development LLC analysis of data from S&P Capital IQ. Data is from January 1, 2012 to December 31, 2022.

**United States: Increasing interest rates and economic uncertainty led to reduced M&A activity, but is expected to improve in the latter half 2023**

Following a healthy M&A market in 2021, the US chemical industry experienced a 22% decrease in M&A volumes in 2022, mostly driven by the lower activity levels in the 2nd half of the year. This trend was largely caused by the previous mentioned headwinds - increasing interest rates, geopolitical tensions, and global supply chain disruptions. Though a significant decrease from the decade-high M&A volume experienced in 2021, the US fared better than many other geographies as M&A volumes in 2022 only decreased 5.6% when compared to the pre-COVID 5-year average M&A volumes (2015 – 2019).

Many US Chemical companies spent much of 2022 navigating uncertainty around feedstock economics and energy price volatility, causing US chemical companies to prioritize cost-optimization measures to relieve the stressed financial performance experienced in the second half of 2022. With more focus on cost reduction and working capital efficiencies, many US chemical companies were less focused on larger transformational deals, evidenced by only three announced deals in US over $1 billion in enterprise value in 2022. This trend is likely to continue through the first half of 2023 where chemical companies may primarily focus on smaller strategic tuck-in acquisitions to build out their product portfolio, as they prioritize cost-optimization measures over large inorganic growth during an uncertain economic period. These strategic tuck-in acquisitions will likely be focused in end-markets with higher margins and long-term demand tailwinds, such as electronic materials and advanced resins and plastics.

We do anticipate that private equity will continue to be an active player in the US chemical M&A market through 2023, despite a reduction in overall M&A activities, there has been a rise in joint ventures and strategic alliances among chemical companies. In the last five years, the number of newly announced strategic alliances have increased from 33 in 2018 to 65 in 2022, with companies collaborating through joint manufacturing agreements and joint product development. We anticipate this trend to continue in 2023 as a more risk-averse choice for executives that are wading through various global economic challenges. Chemical organizations can still plan to make progress towards affecting climate change and furthering the clean energy transition by entering into these non-traditional deal types, just like Olin Corporation and Plug Power Inc. announced in late 2022 a joint venture to construct a hydrogen plant outside of Baton Rouge, Louisiana to support speed to market in North America for green hydrogen. Despite a reduction in overall M&A activities, we expect that considerations for climate and sustainability regulations and commitments will continue to play a larger role in the decision-making process to enter into M&A activity as more traditional activity likely returns later in 2023.
2023 China: M&A activity likely to rebound in 2023 with the lifting of COVID-19 restrictions and the expected recovery in market demand

In 2022, due to the impact of China's economic slowdown, geopolitical tensions and COVID-19 restriction measures, demand in China's chemical industry was weak. Consequently, M&A activity has not yet recovered to pre-pandemic levels. M&A deal volumes decreased by 23% in 2022 compared to 2021 and is off 33% from the 5-year average pre-COVID volume levels.

Acquirers were almost exclusively strategic buyers rather than financial sponsors in 2022. Additionally, 81% of the announced acquisitions were of commodity chemical companies, followed by specialty chemical and material companies and agricultural fertilizer producers, accounting for 11% and 7%, respectively. The themes driving the commodity chemical sector M&A activity were expansion of products and technology portfolios and companies moving further downstream to achieve greater vertical integration.

Foreign investment in China’s chemical industry decreased slightly in 2022 compared with the previous year, accounting for 15% of the total deal volume. With the recent lifting of the COVID restrictions, China’s market demand is expected to recover steadily. Additionally, the “Catalogue of Industries Encouraging Foreign Investment (2022 Edition)” issued by the National Development and Reform Commission was written to encourage foreign companies to invest in the chemicals industry and various subsectors. Because of these factors, 2023 could see more foreign investors playing a more active role in China’s M&A activity.

The “Guiding Opinions on Promoting the High-Quality Development of the Petrochemical and Chemical Industry during the 14th Five-Year Plan” issued in 2022 indicates that China will vigorously develop the advanced chemical materials and fine chemicals sectors. Presently, China sees an urgent need for further localization in the chemical industry, and the technological advancement of downstream sectors. This has created demand for advanced materials, particularly those with applications to electrification and the new energy economy.

Considering the favorable policies in place and China reopening from COVID-19 restrictions, M&A activities in the industry could increase in 2023.

2023 Continental Europe: Under pressure but resilient

For the first time ever, through October 2022, the European Union was on pace to import more chemicals than it exported in a given year. European chemical companies have been hit substantially by the continued decrease in natural gas imports from Russia. The European chemical industry continues to struggle to compete on the world market with companies from regions having reliable access to cheaper energy prices. One market participant called it “deteriorating framework conditions” in Europe in reference to both higher prices for energy and higher costs of raw materials.

European chemical executives are drawing the picture of “deindustrialization” in Europe that commenced mid-2022. For many chemical companies production volumes are currently declining, but total revenues are still growing, albeit slightly, due to higher selling prices. Select chemical companies have significantly reduced production due to high feedstock cost and energy costs. As a result, supply bottlenecks arose for key raw materials with a significant impact on downstream production, therefore, negatively impacting profit margins. The President of the German Chemical Association (VCI), expects a production drop of ~10% in volume in 2023 with the situation potentially easing in 2024 as chemical companies receive sufficient supply of Liquid Natural Gas.

Several large M&A deals (> $1 billion) were completed in the first half of 2022. M&A activity declined in the second half despite reduced valuations. There were also transaction processes being pulled back or paused, mainly driven by rising interest rates and uncertain economic developments. Most deals came from the specialty chemicals sector, and the M&A interest and involvement from private equity investors remained high. In some cases, private equities are acquiring bolt-on businesses to previous platform investments rather than establishing new platforms.

Many chemical companies are still focused on expanding their specialty chemicals business model, including new growth areas with sustainable technologies and services. They are continuously reviewing their production structure and footprint in order to optimize cost structures and shuttering plants or divesting of businesses that are economically disadvantaged or have been disrupted by ESG. The transition towards circularity and clean energy is expected to have an increasing impact on the chemical M&A environment (e.g., interest into Sustainable Aviation Fuels (SAF) or green ammonia).

Ultimately M&A activity in continental Europe could be comparatively low in early 2023 before a possible rebound in the second half of the year based on increased certainty about economic developments and debt markets.
2023 Brazil: M&A activity shrinks amid GDP and industry growth

In 2022, growth rate in Brazilian GDP kept the previous year's pace and is projected to reach 2.9%, exceeding market expectations. The Brazilian economy struggled to control price inflation in 2022, closing the year at 5.79%, similar to other global economies that kept monetary stimulus programs active. The Brazilian Central Bank raised interest rates to 13.75%, the highest level since 2016, and the local currency appreciated 6.89% against US Dollar in 2022.

Although there was partial improvement in some economic indicators, the market largely expects economic activity to grow 0.77% in 2023 and an inflation level of 5.39%. This will likely keep interest rates elevated, contributing to a challenging environment for businesses as it relates to cost of capital, product demand, and planning.

In spite of these economic factors, the chemical industry's total revenue grew 27.3% and reached its all-time high of US$187 billion. This was driven by the fertilizers (+50.9%) and pesticides (+34.2%) sectors. This growth was affected by a global price shock in the agriculture fertilizer and chemical sector, stemming from the European geopolitical issues.

The number of M&A transactions in the chemical industry declined 27% in 2022, principally driven by reduction in activity for commodity chemicals. This reduction followed similar movements in other geographies and may have also been impacted by the currency appreciation, making Brazilian businesses a bit more expensive to potential foreign buyers.

As result of presidential elections in 2022, the left-leaning Workers’ Party returned to the Presidency and a coalition government and brought different expectations regarding the economic and political agenda for 2023 onwards. Despite uncertainties regarding fiscal policies, the business environment should face more sustainability focused policies. This could also favor M&A deals in the country that have underlying ESG related themes.

2023 India: M&A activity remains subdued, but tailwinds are expected on the back of progressive industry policies

The Indian economy posted GDP growth of 8.7% for 2021-22. While this is estimated to reduce to 7% for 2022-23 and further to 6.5% for 2023-24, it does remain one of the fastest growing major economies. The chemical industry in India, the sixth largest producer in the world, is expected to grow at 9.3% CAGR for the period 2019 thru 2025 reaching a market size of US$304 billion by 2025. Chemical exports from India grew 38% during the year 2021-2022. However, domestic demand may be impacted by the Reserve Bank of India increasing its benchmark interest rate to 6.5%, up from 4% a year ago, and projected Consumer Price Inflation is 6.5% 2023.

The Government of India has announced several chemical industry-friendly reforms which could serve as tailwinds for the industry including production linked incentive schemes for advanced chemistry cell battery and bulk drugs, thrust on the petroleum investment regions (PCPIRs), foreign direct investment under automatic route, and rationalization of taxes. In its Union Budget for 2023-24, the Indian government increased capital investment outlay for the third year in a row by 33% to US$122 billion, which would be 3.3% of the GDP. In addition to creating pull demand for chemicals, increased infrastructure spending could improve mobility and facilitate trade for the chemical industry which needs high logistic support for tangible goods movement.

The progressive government-led reforms and changing consumption landscape in India could propel M&A activity in the chemical industry later this year.

2023 Japan: The move down the value chain for Japanese chemical chemicals delayed by macroeconomic headwinds

While we’ve historically described the Japanese M&A market through an “offensive and defensive deals” lens, we sense a note caution in a post-COVID-19 era. We are seeing Japanese firms refraining from offensive deals (e.g., large-scale overseas acquisitions) in favor of profitability enhancements (through the disposition of underperforming/non-core businesses). This trend has gained pace in 2022.

In addition to COVID-19-induced uncertainties, geopolitical uncertainties and a rapid depreciation of the yen represented further headwinds which impacts the potential for offensive deal activity in foreign markets. A shrinking domestic market renders it essential that Japanese firms acquire abroad. We did see an on-going appetite and some acquisitions; however, activity was curtailed, particularly around large-scale deals. We envision an eventual resumption of more deal activity though current macroeconomic issues make it challenging to see exactly when that may resume.
On the defensive deals front, there was continued momentum around the disposition of underperforming and unprofitable businesses. Basic chemicals have ceased to provide attractive returns with the entrance of emerging countries to this sector, and decarbonization trends and preferences have cast a further shadow on the future outlook. Basic chemicals are capital intensive with existing facilities functioning as an interconnected web of cooperation among many companies. This complicates transformative carve-out and restructuring initiatives. We believe many Japanese basic chemicals companies are at the formative stages of contemplating such fundamental reorganizations.

In summary, 2022 was a gestation period for both offensive and defensive deals. Given the extent of incubation required to unleash the magnitude of structural reform warranted in the Japanese chemicals industry, we anticipate 2023 to be another year of preparation towards this eventuality.

2023 UK: 2023 M&A activity may favor corporates over financial sponsors

UK Chemical M&A activity in 2022 saw a decline compared to the highs experienced in 2021, but remained strong, especially when the geopolitical and economic climate is taken into account. Commodity chemicals dominated the space in 2021 and continued to be the most active in 2022, with a particular focus on companies serving the plastics, packaging/film & rubber sectors. A lower deal pricing environment and lack of larger transactions has considerably lowered the overall deal value of 2022 transactions, particularly compared to the highs of 2021. Foreign interest in UK chemical companies remained strong, with potential investors from continental Europe and the US particularly active. UK investors were also active in 2022 with a number of domestic deals recorded throughout the year.

Private equity activity remained muted in 2022, reflecting increased uncertainty and difficult debt markets, which only worsened as the year progressed. Therefore, as in 2021, Corporates made up the majority of acquirers of UK chemical companies.

Yet the most prevalent M&A theme in 2022 for both financial and corporate investors continued to be sustainability and the ESG agenda, attracting a premium relative to more traditional assets. Other broad themes in the chemical industry included a rise in joint ventures and mergers in order to access new technologies.

Equity markets have started to bounce back in beginning of 2023, following a downturn towards the end of 2022. The positive change in sentiment over Q4 2022 suggests that M&A will likely continue in 2023, particularly for corporate buyers with strong balance sheets who may seek to take advantage of attractive strategic opportunities in a slightly less competitive M&A environment. For financial sponsors seeking to engage in transactions where substantial borrowing is required, markets may remain challenging into 2023.
Summary outlook for 2023 mergers and acquisitions activity

As we have discussed throughout this outlook, despite the numerous headwinds, the chemical industry has once again proved its resilience and experienced another healthy year of M&A activity in 2022. Though some of the uncertainty and headwinds persist, there are signs of brighter days ahead. Some examples include China’s reopening and ending their zero-COVID-19 policy, which could help ease some of the supply chain issues faced by the industry and bolster economic growth – leading to increased demand for many chemicals and materials. Though too early to take a victory lap, inflation does seem to be moderating in many developed economies leading to slow down in the pace of interest rate increases – evidenced by the US Federal Reserves latest hike of only 25 basis points. This slowing pace of increasing interest rates should be a boost to private equity looking to finance new buyouts in the chemical industry. And if a recession is indeed in our future, chemical companies often lead the pack coming out of an economic downturn given that they are the building blocks for many other downstream products.

As we head further into 2023, chemical companies will need to continue to navigate immediate term challenges while also focusing on long-term sustainable growth, for which M&A activity will inevitably be a key tactic in achieving. This underlying truth and the results of our latest M&A survey, give us optimism that 2023 will be a year for Regaining Momentum for M&A activity in the chemical industry.
Key contacts

**Global**

**Stanley Porter**
Global Industry Leader, Energy, Resources and Industrials
Deloitte LLP
sporter@deloitte.com
+1 703 251 4000

**Andrew Botterill**
Global Financial Advisory Leader, Energy Resources & Industrials
Deloitte LLP
abotterill@deloitte.ca
+1 403 648 3239

**John England**
Global Sector Leader, Energy & Chemicals
Deloitte LLP
jengland@deloitte.com
+1 713 501 8786

**US**

**Phil Hueber**
Partner
Deloitte & Touche LLP
phueber@deloitte.com
+1 312 486 5791

**Joel Flottum**
Managing Director
Deloitte & Touche LLP
jflottum@deloitte.com
+1 312 486 4758

**Saadat Khan**
Principal
Deloitte Consulting LLP
saadakhan@deloitte.com
+1 703 867 7671

**Drew Johnson**
Senior Manager
Deloitte LLP
drjohnson@deloitte.com
312-486-3375

**Brazil**

**Ubirata Bertelli Costa**
Partner
Deloitte Brazil
ucosta@deloitte.com
+55 21 3981 0491

**Venus Kennedy**
Partner
Deloitte Brazil
vkennedy@deloitte.com
+55 11 5186 6329
Global chemical industry mergers and acquisitions outlook 2023  |  Key contacts

China

Jill Wang
Partner
Deloitte China
jillwang@deloitte.com.cn
+86 10 8520 7766

Germany

Malte Stoever
Partner
Deloitte Germany
mstoever@deloitte.de
+49 211 8772 2895

Marc Schmitz
Director
Deloitte Germany
marcschmitz@deloitte.de
+49 697 5695 6200

Alexander Keller
Director
Deloitte Germany
alekeller@deloitte.de
+49 151 5807 1406

Switzerland

Konstantin von Radowitz
Partner
Deloitte Switzerland
kvonradowitz@deloitte.ch
+41 58 279 6457

Andreas Koch
Manager
Deloitte Switzerland
andreaskoch@deloitte.ch
+41 58 279 6107

Netherlands

Don van Neuren
Partner
Deloitte Netherlands
dvanneuren@deloitte.nl
+31 882 886 166

Justin Hamers
Partner
Deloitte Netherlands
jhamers@deloitte.nl
+31 882 881 951
France

Leonardo Clavijo
Partner
Deloitte France
lclavijo@deloitte.fr
+336 74 02 49 49

Japan

Dai Yamamoto
Partner
Deloitte Japan
dia.yamamoto@tohmatsu.co.jp
+81 703 191 4171

Tetsuya Matsumoto
Partner
Deloitte Japan
tetsuya.matsumoto@tohmatsu.co.jp
+81 804 435 1491

India

Savan Godiawala
Partner
Deloitte India
sgodiawala@deloitte.com
+91 796 682 7340

UK

Mark Adams
Partner
Deloitte United Kingdom
mjadams@deloitte.co.uk
+44 20 7007 3624

Middle East

Lawrence Hunt
Energy Resources & Industrials M&A Leader
Deloitte Middle East
lhunt@deloitte.com
+971 2 408 2424

Bart Cornelissen
Energy Resources & Industrials Leader
Deloitte Middle East
bpcornelissen@deloitte.com
+971 4 376 8888
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