

## **SQM**

# Reiterate U/P - reduced regulatory risks, but lithium bear market continues

Reiterate Rating: UNDERPERFORM | PO: 46.00 USD | Price: 45.13 USD

### Cutting PO on plunging lithium prices & Codelco deal

We lower our estimates and PO for SQM to US\$46 (from US\$59), reflecting: 1) lower lithium price assumptions (30% cut in 2024/20% in 2025), with prices expected to bottom only in 3Q24; 2) the MOU (Memorandum of Understanding) between the company and Codelco as reported on Dec  $29^{th}$ , and 3) the extension of our DCF model to 2040 (vs. 2030 before). Reiterate our Underperform, as we believe this scenario is not priced in and our 2024E EBITDA is 30% below consensus. We acknowledge reduced regulatory risk post the MOU with Codelco but we see mid-term risks related to SQM's potential future capital allocation, payout, and lithium margins.

## MOU agreement with Codelco: reduced ST regulatory risks

The MOU agreement reached between SQM and Codelco in late December eliminates a major overhang on the stock (assuming the deal moves to definitive agreements and is consummated). We believe the greater visibility about the long-term of the business is positive, and we thus reduced our WACC to 11.8% from 12.3%. However, the net impact of the agreement on the DCF equity value is still negative at US\$9.4/ADR, as we were assuming the perpetuity of the business based on the terms of the current concession. This is in addition to a US\$3.3/ADR hit from lower short-term lithium prices.

## But LT concerns include capital allocation yield, margins

We have other concerns to the long-term of SQM post the agreement, not embedded in our model. We don't discard the possibility of SQM expanding and diversifying its lithium business in other countries (like the US\$1bn M&A in Australia in 2023). This could have a negative impact on consolidated margins since production in other regions is more costly than in Chile. Also, the stock trades at high single-digit dividend yield, supporting valuation. This might be a risk if payout declines in a scenario of greater investments.

## What to monitor? Lithium supply, shareholder's meeting

We believe that any sign of lithium supply adjustment could be a potential upside risk to the shares, mainly considering they are down 52% in one year, trading at a 35% discount to peers in 2024 on EV/EBITDA. We will also monitor the dividend policy to be proposed in the Annual Shareholders' Meeting in the end of April, and demand of electric vehicles.

Estimates (Dec) (US\$)	2021A	2022A	2023E	2024E	2025E
EPS	2.05	13.68	7.63	3.68	5.38
EPS Change (YoY)	225.4%	567.3%	-44.2%	-51.8%	46.2%
Consensus EPS (Bloomberg)			7.62	5.40	6.77
DPS	2.27	7.84	4.53	2.98	2.46
Valuation (Dec)					
P/E	22.0x	3.3x	5.9x	12.3x	8.4x
Dividend Yield	5.0%	17.4%	10.0%	6.6%	5.5%
EV / EBITDA*	11.8x	2.4x	4.1x	7.5x	5.3x
Free Cash Flow Yield*	-0.3%	13.3%	4.0%	6.7%	7.3%
* For full definitions of <i>IQ</i> method <sup>SM</sup> measures, see page 9.					

<sup>&</sup>gt;> Employed by a non-US affiliate of BofAS and is not registered/qualified as a research analyst under the FINRA rules.

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Refer to important disclosures on page 10 to 12. Analyst Certification on page 8. Price Objective Basis/Risk on page 8.

Timestamp: 30 January 2024 04:09PM EST

#### 30 January 2024

#### Equity

Van Changes		
Key Changes		
(US\$)	Previous	Current
Price Obj.	59.00	46.00
2023E Rev (m)	7,678.4	7,571.5
2024E Rev (m)	6,071.1	4,858.4
2025E Rev (m)	7,232.4	6,059.9
2023E EPS	7.95	7.63
2024E EPS	5.18	3.68
2025E EPS	6.75	5.38
2023E DPS	5.02	4.53

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#### Stock Data

Price	45.13 USD
Price Objective	46.00 USD
Date Established	30-Jan-2024
Investment Opinion	C-3-8
52-Week Range	44.86 USD - 98.66 USD
Mrkt Val (mn) / Shares Out	12,891 USD / 285.6
(mn)	
Free Float	0%
Average Daily Value (mn)	72.68 USD
BofA Ticker / Exchange	SQM / NYS
Bloomberg / Reuters	SQM US / SQM.N
ROE (2023E)	42.0%
Net Dbt to Eqty (Dec-2022A)	5.3%

#### See

Global Metals Weekly: Geopolitics blows up lithium 30 January 2024

SQM: SQM signs MOU on lithium with Codelco; reiterate Underperform 28 December 2023

Automotive Industry: Back to the future 4Q:23 – So long 2023, hello 2024 outlooks 22 January 2024

Refer to "Other Important Disclosures" for information on certain BofA Securities entities that take responsibility for the information herein in particular jurisdictions.



## **iQ**profile<sup>™</sup>SQM

iQmethod <sup>™</sup> – Bus Performance*					
(US\$ Millions)	2021A	2022A	2023E	2024E	2025
Return on Capital Employed	13.1%	55.9%	24.1%	10.9%	14.6%
Return on Equity	22.1%	96.7%	42.0%	18.4%	24.49
Operating Margin	33.9%	52.2%	40.8%	32.1%	38.09
Free Cash Flow	(41)	1,711	518	864	93
<i>iQ</i> method <sup>™</sup> – <b>Quality of Earnings*</b>					
(US\$ Millions)	2021A	2022A	2023E	2024E	2025
Cash Realization Ratio	0.7x	0.8x	0.7x	1.4x	1.0
Asset Replacement Ratio	2.2x	6.3x	3.6x	2.0x	1.8
Tax Rate	29.6%	28.7%	28.3%	28.0%	28.09
Net Debt-to-Equity Ratio	34.9%	5.3%	24.3%	17.1%	14.69
Interest Cover	11.5x	NM	24.5x	8.4x	12.5
Income Statement Data (Dec)					
(US\$ Millions)	2021A	2022A	2023E	2024E	2025
Sales	2,862	10,711	7,572	4,858	6,06
% Change	57.5%	274.2%	-29.3%	-35.8%	24.79
Gross Profit	1,090	5,737	3,244	1,649	2,41
% Change	125.7%	426.3%	-43.4%	-49.2%	46.39
EBITDA	1,186	5,838	3,366	1,871	2,63
% Change	104.9%	392.5%	-42.3%	-44.4%	40.89
Net Interest & Other Income	(130)	(108)	(39)	(101)	(167
Net Income (Adjusted)	586	3,908	2,179	1,051	1,537
% Change	253.1%	567.3%	-44.2%	-51.8%	46.2%
(US\$ Millions)	2021A	2022A	2023E	2024E	2025
Net Income from Cont Operations (GAAP)	592 214	3,914 244	2,185	1,051 310	1,53
Depreciation & Amortization	(327)		280	134	(327
Change in Working Capital	(256)	(934)	1,119		
Deferred Taxation Charge Other Adjustments, Net	200	(1,579) 1,596	(868) (1,184)	(409) 409	(598) 598
Capital Expenditure	(465)	(1,530)	(1,104)	(632)	(606
Free Cash Flow	- <b>41</b>	1,711	518	864	93
% Change	NM	NM	-69.7%	66.7%	8.49
Share / Issue Repurchase	NA	NA	NA	NA	0.47 N
Cost of Dividends Paid	(649)	(2,238)	(1,295)	(852)	(704
Change in Debt	671	294	1,704	(032)	(70
			,		
Balance Sheet Data (Dec) (US\$ Millions)	2021A	2022A	2023E	2024E	2025
•					
Cash & Equivalents	1,515 740	2,655	3,282 708	3,594 610	3,64!
Trade Receivables Other Current Assets	2,331	1,169 3 167	3,130		3 26
Property, Plant & Equipment	2,331	3,167 2,759	3,130	3,080 3,808	3,260 4,082
Other Non-Current Assets	437	1,069	1,336	1,336	1,33
Total Assets	7, <b>044</b>	10,819	11,942	12,428	13,12
Short-Term Debt	<b>7,044</b>	523	1,145	1,145	1,14
Other Current Liabilities	940	2,529	1,145	1,145	1,14
Long-Term Debt	2,588	2,529	3,476	3,476	3,47
Other Non-Current Liabilities	2,366	2,594 441	482	3,476 482	3,47
		5,887	6,431	6,417	6,46
Total Liabilities			U.43 I	0.41/	0,400
Total Liabilities	3,828 3,216	•		•	6 662
Total Liabilities Total Equity Total Equity & Liabilities	3,828 3,216 7,044	4,932 10,819	5,511 11,942	6,011 12,428	6,663 13,129

### **Company Sector**

Fertilizers

#### **Company Description**

SQM is a nitrate-based specialty chemicals producer, being the largest supplier of iodine, lithium and specialty plant nutrients, with market shares of 33%, 30% and 49%, respectively, and total capacity of 1.7mn tons. These products derive from two minerals: caliche ore and salar brine, of which the company has long life reserves, full integrated logistics and low average costs.

#### **Investment Rationale**

Lithium prices remain in a downcycle given excess supply coming to the market. In addition, the scenario for potash and potassium nitrate is challenging. Finally, the agreement with Codelco announced in Dec/23 was worse than expected. It eliminated a major regulatory overhang, but brings other long-term risks, including capital allocation.

#### **Stock Data**

Average Daily Volume 1,610,383

#### **Quarterly Earnings Estimates**

	2022	2023
Q1	2.79A	2.63A
Q2	3.01A	2.03A
Q3	3.85A	1.68A
Q4	4.03A	1.30E

## Reiterate Underperform - US\$46 PO

## Challenging momentum despite reduced regulatory risk

We lower our estimates and PO for SQM to US\$46 from US\$59 to reflect lower lithium prices in the short-term and the terms of the MOU reached between Codelco and SQM in Dec/23 regarding the concession in the Salar de Atacama.

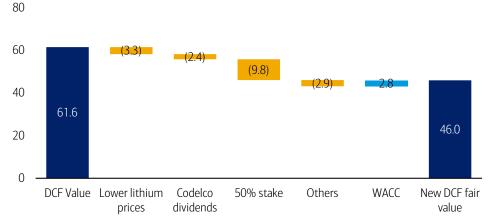
We also change our valuation methodology from 50% target EV/EBITDA/50% DCF (R\$61.6/US\$56 per ADR) to 100% DCF as the deal with Codelco (assuming the deal moves to definitive agreements and is consummated) brings visibility about the long-term of SQM's lithium business, while it eliminates a regulatory overhang that we understand was weighting on the share performance in the recent past.

We reiterate our Underperform rating on SQM as we see downside risk to consensus estimates in 2024 given much weaker than expected lithium prices in the short-term. Our 2024-25 EBITDA estimates are 31% and 13% below Visible Alpha consensus. Our 30%-20% cut in lithium price assumptions in 2024-25 drove a US\$1.0/ADR in our PO.

The agreement with Codelco eliminates a regulatory overhang on the shares (assuming the deal moves to definitive agreements and is consummated). However, agreement brings long-term concerns including capital allocation, lithium margins and dividend payout. We now include the terms of the agreement in our model, which triggered a US\$13.3/ADR cut in our PO. This was partially offset by a reduction in our WACC assumption to 11.8% from 12.3%, given lower risk-free rate and Beta.

#### Exhibit 1: SQM DCF value per share change (US\$/ADR)

The agreement with Codelco has a negative impact of US\$9.4/ADR, including reduced cost of capital



Source: BofA Global Research estimates

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#### **Exhibit 2: BofA estimates versus Visible Alpha**

We are 31% below consensus (EBITDA 2024) on lower lithium prices

		BofAe			Visible Alpha			BofA vs. Consensus				
	2023E	2024E	2025E	2026E	2023E	2024E	2025E	2026E	2023E	2024E	2025E	2026E
Lithium vols. (k tons)	156.7	208.0	224.0	238.6	164.5	211.1	233.6	257.2	-5%	-1%	-4%	-7%
Lithium price (US\$/ton)	33,584.6	13,000.0	17,500.0	21,660.6	32,700.9	18,896.7	19,203.8	20,491.4	3%	-31%	-9%	6%
Lithium revenues (US\$mn)	5,262.7	2,704.0	3,920.0	5,168.2	5,379.3	3,989.1	4,486.0	5,270.4	-2%	-32%	-13%	-2%
Net Revenues (US\$mn)	7,572	4,858	6,060	7,104	7,663	6,172	6,866	7,623	-1%	-21%	-12%	-7%
EBITDA (US\$mn)	3,366	1,871	2,635	3,139	3,381	2,726	3,115	3,515	0%	-31%	-15%	-11%
EBITDA margin	44.5%	38.5%	43.5%	44.2%	44.1%	44.2%	45.4%	46.1%	0.3%	-5.7%	-1.9%	-1.9%
Net Income (US\$mn)	2,180	1,051	1,538	1,887	2,190	1,624	1,880	2,135	0%	-35%	-18%	-12%

**Source:** BofA Global Research estimates, Visible Alpha

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## **Cutting lithium prices; lack of short-term support**

#### Lithium carbonate prices to bottom in 3Q23 at US\$8.25k/ton

Lithium prices in China dropped more than 80% in one year to US\$13k/ton. Although some argue we are close to the bottom, BofA Global Commodities team expects the bottom for lithium carbonate to be at US\$8.25k/ton in the 3Q23. This is expected because of an oversupplied market, as operators remain reluctant to curtail production, while demand has also been decelerating as several governments have revisited the financial support they are giving to the industry.

#### **Exhibit 3: Lithium carbonate prices**

Chemicals prices have given back almost all of the gains

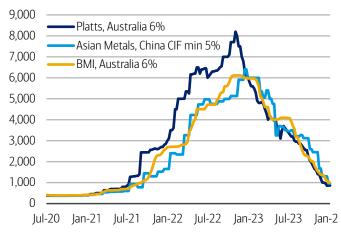


Source: Bloomberg, BofA Global Research

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## Exhibit 4: Lithium spodumene prices

Lithium spodumene is back below \$1,000/t



Source: Bloomberg, BofA Global Research

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#### **Exhibit 5: Lithium supply and demand balance**

Surpluses are unreasonably high in 2023+

tonnes	2022	2023	2024E	2025E	2026E
Global production	669,470	910,102	1,239,024	1,688,160	2,027,990
YoY change	1.7%	35.9%	36.1%	36.2%	20.1%
Global consumption	704,218	923,882	1,214,630	1,534,918	1,890,413
YoY change	51.6%	31.2%	31.5%	26.4%	23.2%
Balance	-34,748	-13,780	24,394	153,242	137,578
Spot (\$/t)	71,531	45,980	16,500	21,875	21,250

 $\textbf{Source:} \ \mathsf{Company} \ \mathsf{reports}, \mathsf{Woodmac}, \mathsf{Bloomberg}, \mathsf{BofA} \ \mathsf{Global} \ \mathsf{Research} \ \mathsf{estimates}$ 

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On the supply side, producers have reduced output at the margins, but any measures taken so far have been focused on preserving margins through cost management. Actually, prices have already cut deep into the cost curve, and most projects in the pipeline are not profitable at current quotations.

Spodumene remains the supply driver. Of course, many of these supply increases are coming through in Australia, where operators are increasing supply significantly. As such, the duty to cut supply is firmly on upstream producers. Indeed, processors, dominated by China, just work on a margin. As long as those margins are positive, they keep operating. This is picked up by Exhibit 6, which shows the flowsheet for a processor, buying spodumene at a price of \$500/t. under different cost assumptions, there is no need to reduce output as long as chemicals prices trade above \$8000/t.



#### **Exhibit 6: Processor flowsheet**

The most expensive producers should turn a profit if lithium carbonate trades above \$8,000/t and spodumene is quoted at \$500/t

Spodumene Concentrate Price (\$/mt)	500	500	500
6% Spodumene to Lithium Oxide	6.0%	6.0%	6.0%
Lithium Oxide to Pure Lithium	46.5%	46.5%	46.5%
Lithium Carbonate	18.8%	18.8%	18.8%
Conversion Recovery	85%	85%	85%
Tonnes of 6% LiO2 Concentrate at 85% Recovery	7.93	7.93	7.93
Input Cost of Concentrate	3,964	3,964	3,964
Freight/Insurance	250	250	250
Conversion Cost	2,500	3,000	4,000
Cost per tonne of LiCO3 Equivalent at plant gate China	6,714	7,214	8,214

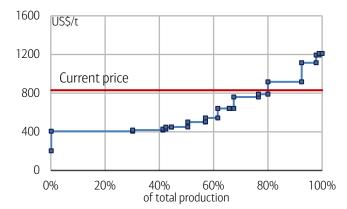
Source: Bloomberg, BofA Global Research

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A big question is why suppliers have not cut production? We believe there is a geopolitical component to this, with Western producers looking to take advantage of rising lithium demand as the US and Europe are looking to catch up with China's battery and EV industry; meanwhile, China has gone to great length building out its EV supply chain and seems reluctant as well to give up on recent gains. Beyond rising geopolitics competition, which hasn't been an issue a few years back, junior and mid-sized miners pushing into lithium is a recurring issue after every rally.

#### **Exhibit 7: Spodumene cost curve**

High cost spodumene producers are under pressure

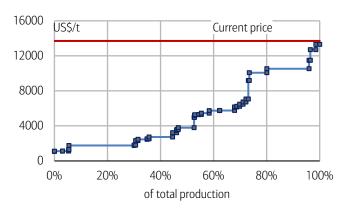


**Source:** company reports, BofA Global Research

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## Exhibit 8: Cash operating costs of integrated producers

Many producers have become more marginal



Source: company reports, BofA Global Research

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On the demand side, there has been a slowdown in electrification, as governments are revisiting the support they are giving to EV sales. Linked to that, our US auto team also notes that sentiment on EVs soured in late 2023. Commentary from dealers and OEMs coincided with stalling velocity of EV sales.

## Reducing SQM ests. on lithium and Codelco agreement

We are lowering our estimates for SQM to reflect the MOU agreement with Codelco and lower lithium prices. We are cutting the average lithium prices in 2024-25 by 30%-20% to US\$13k/ton and US\$17.5k/ton, based on our global forecasts. We are including the dividends to be paid to Codelco between 2025 and 2030, as per the definitive agreements expected to be signed in the end of March, which should amount to US\$230mn/year.

We also assume that starting in 2031, Codelco will be entitled to 50.1% of the lithium profits and the lithium company will invest US\$2bn (SQM' 50% equals US\$1bn) in Salar Futuro project (estimates based on news articles) in order to increase lithium production in the long run by 70k tons to 280k tons.



We reduce our 2024-25 EBITDA by 25% and 18%, respectively, and EPS by 29% and 20% to US\$3.68 and US\$5.38.

#### **Exhibit 9: SQM Old vs. New estimates**

We lower estimates on reduced lithium price assumption

		2023E	2024E	2025E
Net Revenues (US\$mn)	New Estimates	7,572	4,858	6,060
	Old Estimates	7,678	6,071	7,232
	Change	-1.4%	-20.0%	-16.2%
EBITDA (US\$mn)	New Estimates	3,366	1,871	2,635
	Old Estimates	3,444	2,479	3,197
	Change	-2.2%	-24.5%	-17.6%
EBITDA Margin	New Estimates	44.5%	38.5%	43.5%
-	Old Estimates	44.9%	40.8%	44.2%
	Change	-0.3 pp	-2.3 pp	-0.7 pp
Net Income (US\$mn)	New Estimates	2,180	1,051	1,538
	Old Estimates	2,271	1,479	1,928
	Change	-4.0%	-28.9%	-20.3%
EPS (US\$/ADR)	New Estimates	7.63	3.68	5.38
	Old Estimates	7.95	5.18	6.75
	Change	-4.0%	-28.9%	-20.3%

**Source:** BofA Global Research estimates

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## **Lithium Valuation Comps**

#### **Exhibit 10: Lithium Valuation Comps**

SQM trades at a discount to peers

	BofA	Last	Market Cap			EV/E	BITDA	P	/E	P/	CF	P/B
	Ticker	Price	US\$bn	QrQ	Rating	2024E	2025E	2024E	2025E	2024E	2025E	2024E
Fertilizers												
Nutrien	NTR	51.2	25.3	B-1-7	BUY	6.6	6.5	11.4	10.9	4.8	4.9	1.0
CF Industries	CF	77.5	14.7	B-1-7	BUY	7.7	8.2	11.5	11.6	5.8	5.2	2.5
The Mosaic Company	MOS	32.1	10.4	C-1-7	BUY	6.7	7.3	10.3	11.8	4.9	5.5	0.9
K+S	KPLUF	13.5	2.6	B-1-8	BUY	4.9	5.3	11.8	15.0	3.4	3.8	0.4
FMC	FMC	57.8	7.1	B-3-7	UNDERPERFORM	11.4	10.2	13.6	11.1	8.3	7.9	2.1
ICL	ICL	4.7	5.9	B-2-8	NEUTRAL	5.1	5.0	8.5	8.6	4.5	4.5	1.1
Average			66.0			7.2	7.2	11.2	11.2	5.3	5.3	1.4
Lithium												
Albemarle	ALB	123.2	14.3	C-2-7	NEUTRAL	15.4	6.1	30.9	8.7	8.5	8.5	1.4
Pilbara Minerals	PILBF	3.6	7.0	C-2-7	NEUTRAL	10.2	9.4	18.4	17.6	NM	13.6	3.1
Mineral Resources	MALRF	60.8	7.7	B-1-8	BUY	9.9	6.5	20.0	13.1	14.9	7.5	3.3
Ganfeng Lithium	GNENF	22.0	10.4	C-2-8	NEUTRAL	15.3	6.5	29.3	9.9	10.3	12.9	1.7
Tianqi Lithium	TQLCF	50.4	12.4	C-2-7	NEUTRAL	6.5	4.6	29.8	14.9	6.3	8.4	1.7
Core Lithium	CXOXF	0.2	0.3	C-3-9	UNDERPERFORM	1.5	3.6	3.1	6.8	NM	3.8	1.1
Chengxin Lithium	XCNGF	22.1	3.1	C-3-8	UNDERPERFORM	14.3	9.6	42.9	24.2	7.3	23.6	1.7
Yahua Group	XVHEF	10.8	1.9	B-3-8	UNDERPERFORM	10.2	3.9	13.9	5.1	7.4	11.6	1.2
Average			57.0			11.8	6.4	27.3	12.7	8.0	10.7	2.0
Sociedad Quimica	SQM	46.0	13.9	C-3-8	UNDERPERFORM	7.6	5.4	12.7	8.7	7.6	7.0	2.3

**Source:** Bloomberg, BofA Global Research estimates

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## Price objective basis & risk

#### SQM (SQM)

Our PO of US\$46/ADR derives from 100% DCF, with a WACC of 11.8%, which is based on a country risk of 300bps, Beta of 1.45, cost of debt of 8.5% in USD and equity/debt structure of 65%/35%.

Upside risks to our price objective are: 1) higher lithium prices, 2) higher iodine prices, 3) higher potassium nitrate premium to potassium chloride, 4) higher lithium volumes, 5) re-rating of multiples as the agreement with Codelco is reached and a major regulatory overhang is eliminated.

Downside risks to our price objective are: 1) lower potash and iodine prices, 2) lower lithium volumes and prices given global surplus, 3) corporate governance, 4) risks associated to the execution of the lithium expansion plan, 5) capital allocation, if SQM accelerates lithium expansion outside Chile.

## **Analyst Certification**

I, Isabella Simonato, hereby certify that the views expressed in this research report accurately reflect my personal views about the subject securities and issuers. I also certify that no part of my compensation was, is, or will be, directly or indirectly, related to the specific recommendations or view expressed in this research report.

#### Latin America - Agribusiness, Food & Beverage Coverage Cluster

Investment rating	Company	BofA Ticker	Bloomberg symbol	Analyst
BUY				
	3tentos	XTTUF	TTEN3 BZ	Isabella Simonato
	Adecoagro	AGRO	AGRO US	Isabella Simonato
	AmBev	ABEV	ABEV US	Isabella Simonato
	AmBev	AVBPF	ABEV3 BZ	Isabella Simonato
	Arca Continental	EMBVF	AC* MM	Fernando Olvera
	Bimbo	GRBMF	BIMBOA MM	Fernando Olvera
	Coca-Cola Femsa	KOF	KOF US	Fernando Olvera
	Coca-Cola Femsa	COCSF	KOFUBL MM	Fernando Olvera
	Cosan	CSAIF	CSAN3 BZ	Isabella Simonato
	Cosan	CSAN	CSAN US	Isabella Simonato
	Gruma	GPAGF	GRUMAB MM	Fernando Olvera
	Marfrig	MRRTF	MRFG3 BZ	Isabella Simonato
	Raizen	XUXIF	RAIZ4 BZ	Isabella Simonato
NEUTRAL				
NEOTRAL	CCU	XLUDF	CCU CI	Fernando Olvera
	CCU - ADR	CCU	CCU US	Fernando Olvera
	JBS	JBSAF	JBSS3 BZ	Isabella Simonato
	M. Dias Branco	XDMIF	MDIA3 BZ	Isabella Simonato
	Minerya	MRVSF	BEEF3 BZ	Isabella Simonato
	Sao Martinho	SRTOF	SMTO3 BZ	Isabella Simonato
	SLC Agricola	SLCJF	SLCE3 BZ	Isabella Simonato
	JEC Agricola	SEGI	SECES BE	Isabella Sililoriato
UNDERPERFORM				
	BRF	BRFS	BRFS US	Isabella Simonato
	BRF	BRFFF	BRFS3 BZ	Isabella Simonato
	Camil Alimentos	XSREF	CAML3 BZ	Isabella Simonato
	Coca-Cola Andina	AKOBF	ANDINAB CI	Fernando Olvera
	Coca-Cola Andina-ADR	AKOB	AKO/B US	Fernando Olvera
	Cuervo	BCCLF	CUERVO* MM	Fernando Olvera
	SQM	SQM	SQM US	Isabella Simonato



## *IQ*method<sup>™</sup> Measures Definitions

Business Performance	Numerator	Denominator
Return On Capital Employed	NOPAT = (EBIT + Interest Income) $\times$ (1 $-$ Tax Rate) + Goodwill Amortization	Total Assets – Current Liabilities + ST Debt + Accumulated Goodwill Amortization
Return On Equity	Net Income	Shareholders' Equity
Operating Margin	Operating Profit	Sales
Earnings Growth	Expected 5 Year CAGR From Latest Actual	N/A
Free Cash Flow	Cash Flow From Operations – Total Capex	N/A
Quality of Earnings	Numerator	Denominator
Cash Realization Ratio	Cash Flow From Operations	Net Income
Asset Replacement Ratio	Capex	Depreciation
Tax Rate	Tax Charge	Pre-Tax Income
Net Debt-To-Equity Ratio	Net Debt = Total Debt — Cash & Equivalents	Total Equity
Interest Cover	EBIT	Interest Expense
Valuation Toolkit	Numerator	Denominator
Price / Earnings Ratio	Current Share Price	Diluted Earnings Per Share (Basis As Specified)
Price / Book Value	Current Share Price	Shareholders' Equity / Current Basic Shares
Dividend Yield	Annualised Declared Cash Dividend	Current Share Price
Free Cash Flow Yield	Cash Flow From Operations – Total Capex	Market Cap = Current Share Price × Current Basic Shares
Enterprise Value / Sales	EV = Current Share Price × Current Shares + Minority Equity + Net Debt + Other LT Liabilities	Sales

EV / EBITDA Enterprise Value Basic EBIT + Depreciation + Amortization

\*\*Menethod 3\*\*\*is the set of BofA Global Research standard measures that serve to maintain global consistency under three broad headings: Business Performance, Quality of Earnings, and validations. The key features of iQmethod are: A consistently structured, detailed, and transparent methodology. Guidelines to maximize the effectiveness of the comparative valuation process, and to identify some common pitfalls.

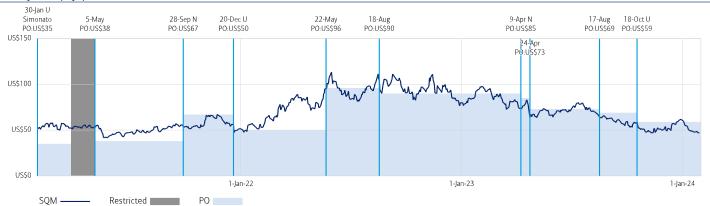
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## **Important Disclosures**

#### Sociedad Quimica (SQM) Price Chart



B: Buy, N: Neutral, U: Underperform, PO: Price Objective, NA: No longer valid, NR: No Rating

The Investment Opinion System is contained at the end of the report under the heading "Fundamental Equity Opinion Key". Dark grey shading indicates the security is restricted with the opinion suspended. Medium grey shading indicates the security is under review with the opinion withdrawn. Light grey shading indicates the security is not covered. Chart is current as of a date no more than one trading day prior to the date of the report.

#### Equity Investment Rating Distribution: Chemicals Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	66	47.83%	Buy	33	50.00%
Hold	33	23.91%	Hold	16	48.48%
Sell	39	28.26%	Sell	20	51 28%

#### Equity Investment Rating Distribution: Global Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	1895	53.62%	Buy	1083	57.15%
Hold	832	23.54%	Hold	454	54.57%
Sell	807	22.84%	Sell	383	47.46%

R1 Issuers that were investment banking clients of BofA Securities or one of its affiliates within the past 12 months. For purposes of this Investment Rating Distribution, the coverage universe includes only stocks. A stock rated Neutral is included as a Hold, and a stock rated Underperform is included as a Sell.

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## Investment rating Total return expectation (within 12-month period of date of initial rating) Ratings dispersion guidelines for coverage cluster<sup>R2</sup>

Buy	≥ 10%	≤ 70%
Neutral	≥ 0%	≤ 30%
Indernerform	N/A	> 20%

R2Ratings dispersions may vary from time to time where BofA Global Research believes it better reflects the investment prospects of stocks in a Coverage Cluster.

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