(CDAX, Chemicals, ACT GR)



| D                |             | Value Indicators:          | EUR      | Warburg ESG Risk Score:     | 2.4    | Description:                                       |          |
|------------------|-------------|----------------------------|----------|-----------------------------|--------|--|----------|
| Buy              |             | DCF:                       | 35.29    | ESG Score (MSCI based):     | 3.0    |  |          |
|                  |             | FCF-Value Potential 22-24: | 39.32    | Balance Sheet Score:        | 3.3    | Alzchem is an integrated spe<br>chemicals provider | eciality |
| EUR <b>35.30</b> | (EUR 35.00) | SotP 22-23:                | 33.93    | Market Liquidity Score:     | 1.0    |  |          |
|                  |             | Market Snapshot:           | EUR m    | Shareholders:               |        | Key Figures (WRe):                                 | 2022e    |
|                  |             | Market cap:                | 228.1    | Freefloat                   | 47.5 % | Beta:  | 1.5      |
| Price            | EUR 22.50   | No. of shares (m):         | 10.1     | LIVIA Corporate Development | 25.0 % | Price / Book:                                      | 2.2 x    |
| Upside           | 56.9 %      | EV:                        | 398.5    | for two na GmbH             | 15.1 % | Equity Ratio:                                      | 27 %     |
| opense           |             | Freefloat MC:              | 108.4    | HDI Vier CE GmbH            | 12.0 % | Net Fin. Debt / EBITDA:                            | 0.5 x    |
|                  |             | Ø Trad. Vol. (30d):        | 61.49 th |                             |        | Net Debt / EBITDA:                                 | 2.6 x    |

## Higher selling prices accelerate sales growth

| State   | ed Figures Q4/20       | 21:     |        |          |        |           |         |       |          |         |           | Comment on Figures:   |
|---------|------------------------|---------|--------|----------|--------|-----------|---------|-------|----------|---------|-----------|---|
|         |                        | Q4 2021 | yoy    | Q4 2021e | Q42020 | Consensus | FY 2021 | yoy   | FY 2021e | FY 2020 | Consensus | Q4 2021 EBITDA was slightly below our                               |
|         | Sales Group            | 111,05  | 10,4%  | 103,00   | 100,63 | 101       | 422,29  | 11,3% | 414,24   | 379,26  | 412,2     | expectations, as logistic constraints took their toll               |
| thereof | Specialty Chemicals    | 57,28   | 5,3%   | 56,01    | 54,38  |           | 220,50  | 6,3%  | 219,24   | 207,43  |           | and raw-material price increases were not yet                       |
|         | Basics & Intermediates | 47,56   | 19,4%  | 40,63    | 39,84  |           | 176,27  | 20,4% | 169,35   | 146,43  |           | fully passed on to customers.                                       |
|         | Other & Holding        | 6,21    | -3,1%  | 6,35     | 6,41   |           | 25,52   | 0,5%  | 25,66    | 25,39   |           | <ul> <li>Sales expanded significantly, especially in the</li> </ul> |
|         | EBITDA Group           | 12,49   | 4,2%   | 13,17    | 11,99  | 12,7      | 62,05   | 15,3% | 62,78    | 53,81   | 62,2      |   |
|         | EBITDA margin          | 0,11    |        | 0,13     | 0,12   |           | 0,15    |       | 0,15     | 0,14    |           | Basic Intermediates segment due to higher                           |
| thereof | Specialty Chemicals    | 11,82   | 25,5%  | 10,28    | 9,42   |           | 50,66   | 14,8% | 49,13    | 44,13   |           | volumes (+10.6%) and selling prices (+8.8%).                        |
|         | Basics & Intermediates | 1,25    | -37,7% | 2,54     | 2,01   |           | 10,99   | 22,3% | 12,27    | 8,98    |           | The growth was most pronounced in the BUs of                        |
|         | Other & Holding        | 0,50    | 38,8%  | 0,44     | 0,36   |           | 1,41    | 42,1% | 1,35     | 0,99    |           | agriculture, dicyandiamide and metallurgy.                          |
|         | Consolidation          | -1,08   | n.m.   | -0,10    | 0,20   |           | -1,01   | n.m.  | 0,03     | -0,29   |           | In contrast, sales in Specialty Chemicals                           |
|         | EBIT Group             | 5,90    | -10,4% | 6,85     | 6,58   | 6,4       | 37,57   | 22,4% | 38,55    | 30,71   | 37,9      | expanded only moderately, driven by growth in                       |
|         | Net profit             | 5,89    | 21,5%  | 2,92     | 4,85   | 3,5       | 27,76   | 41,0% | 24,67    | 19,69   | 25,3      | volume (+2.2% yoy) and prices (+1.8% yoy) as                        |
|         | EpS                    | 0,58    | 20,8%  | 0,29     | 0,48   | 0,34      | 2,72    | 40,2% | 2,43     | 1,94    | 2,48      | well as tailwind from FX changes (+1.3% yoy).                       |

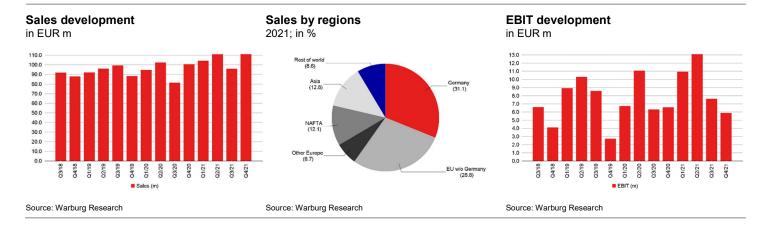
While EBITDA improved yoy, FCF declined -26.9% to EUR 14.54m, burdened by an increase in working capital. Nevertheless, Alzchem was able to increase its equity ratio from 18.9% to 23.2%. In terms of outlook, the company expects sales to grow "strongly to particularly strong" to up to EUR 480m (+13.7% yoy) for several reasons including, 1) selling-price increases that counter the effects of rising raw-material costs, 2) demand growth in NITRALZ® and Creamino®, 3) stable development in the agricultural, steel and automotive sectors, 4) on-time commissioning of the new Creapure® capacities that are set to start up in H2 2022, 5) a USD/EUR exchange rate of USD 1.15. The development of EBITDA is highly dependent on the passing-on of higher costs in a timely manner. In FY 2021, there was a time lag of 3-6 months between the inflation of raw-material costs and the successful implementation of selling-price increases by Alzchem. As a result, the company has reduced contract durations to increase flexibility and has more contracts with automatic price opening clauses. Given the current situation with Russia, price increases to adequately reflect higher electricity costs is likely to be crucial especially in H1 2022. Based on our revised estimates, we slightly increase our PT to EUR 35.30 (based on a DCF calculation) and reiterate our Buy rating.

| Changes in E               | stimates:      |         |                |        |                |      | Comment on Changes:   |
|----------------------------|----------------|---------|----------------|--------|----------------|------|---|
| FY End: 31.12.<br>in EUR m | 2022e<br>(old) | + / -   | 2023e<br>(old) | + / -  | 2024e<br>(old) | +/-  | <ul> <li>Changes in estimates reflect higher demand than originally anticipated<br/>as well as the reflection of higher raw-material costs, both as a cost</li> </ul> |
| Sales                      | 438.9          | 9.5 %   | 458.6          | 10.1 % | n.a.           | n.m. | position as well as their translation into higher selling prices  |
| EBIT                       | 44.2           | -10.7 % | 45.6           | 2.2 %  | n.a.           | n.m. |   |
| EPS                        | 2.86           | -8.0 %  | 3.00           | 4.9 %  | n.a.           | n.m. |   |
| DPS                        | 1.00           | 0.0 %   | 1.10           | 0.0 %  | n.a.           | n.m. |   |
| Net Debt                   | 160.1          | 6.4 %   | 149.6          | 5.8 %  | n.a.           | n.m. |   |

| 27.5<br>27 - 27 - 27 - 27 - 27 - 27 - 27 - 27 - | FY End: 31.12.<br>in EUR m | CAGR<br>(21-24e) | 2018        | 2019   | 2020   | 2021   | 2022e  | 2023e  | 2024e  |
|---|----------------------------|------------------|-------------|--------|--------|--------|--------|--------|--------|
| 26.5 Mr. Martin The hurry.                      | Sales                      | 7.7 %            | 375.2       | 376.1  | 379.3  | 422.3  | 480.7  | 505.0  | 527.5  |
| 26 - JANNT, WWW WAN                             | Change Sales yoy           |                  | 6.0 %       | 0.2 %  | 0.8 %  | 11.3 % | 13.8 % | 5.1 %  | 4.5 %  |
| 25.5 -  | Gross profit margin        |                  | 60.0 %      | 60.8 % | 64.4 % | 62.0 % | 57.4 % | 57.5 % | 57.2 % |
| 25 1 V W W When h                               | EBITDA                     | 7.5 %            | 49.4        | 50.1   | 53.8   | 62.0   | 64.5   | 72.3   | 77.1   |
| 24 -  | Margin                     |                  | 13.2 %      | 13.3 % | 14.2 % | 14.7 % | 13.4 % | 14.3 % | 14.6 % |
| 23.5 -  | EBIT                       | 10.5 %           | 34.2        | 30.6   | 30.7   | 37.6   | 39.5   | 46.6   | 50.7   |
| 23 -  | Margin                     |                  | 9.1 %       | 8.1 %  | 8.1 %  | 8.9 %  | 8.2 %  | 9.2 %  | 9.6 %  |
| 22.5 - 22 -                                     | Net income                 | 8.3 %            | 22.7        | 18.0   | 19.7   | 27.6   | 26.6   | 31.9   | 35.1   |
| 05/21 07/21 09/21 11/21 01/22 03/2              | EPS                        | 8.3 %            | 2.23        | 1.77   | 1.94   | 2.72   | 2.63   | 3.15   | 3.46   |
|   | EPS adj.                   | 8.3 %            | 2.23        | 1.77   | 1.94   | 2.72   | 2.63   | 3.15   | 3.46   |
| Alzchem — CDAX (normalised)                     | DPS                        | 3.2 %            | 0.90        | 0.75   | 0.77   | 1.00   | 1.00   | 1.10   | 1.10   |
| Rel. Performance vs CDAX:                       | Dividend Yield             |                  | 3.2 %       | 3.5 %  | 3.9 %  | 4.1 %  | 4.4 %  | 4.9 %  | 4.9 %  |
|   | FCFPS                      |                  | -0.51       | 0.23   | 1.95   | 1.43   | 1.80   | 2.56   | 2.84   |
| 1 month: 8.7 %                                  | FCF / Market cap           |                  | -1.8 %      | 1.1 %  | 9.9 %  | 5.9 %  | 8.0 %  | 11.4 % | 12.6 % |
| 6 months: 4.3 %                                 | EV / Sales                 |                  | 1.2 x       | 1.1 x  | 1.0 x  | 1.0 x  | 0.8 x  | 0.8 x  | 0.7 x  |
| Year to date: 8.6 %                             | EV / EBITDA                |                  | 9.0 x       | 8.1 x  | 7.2 x  | 6.9 x  | 6.2 x  | 5.3 x  | 4.8 x  |
| Trailing 12 months: -3.2 %                      | EV / EBIT                  |                  | 13.0 x      | 13.2 x | 12.6 x | 11.3 x | 10.1 x | 8.3 x  | 7.3 x  |
|   | P/E                        |                  | 12.8 x      | 12.0 x | 10.2 x | 8.9 x  | 8.6 x  | 7.1 x  | 6.5 x  |
| Company events:                                 | P / E adj.                 |                  | 12.8 x      | 12.0 x | 10.2 x | 8.9 x  | 8.6 x  | 7.1 x  | 6.5 x  |
| 28.04.22 Q1                                     | FCF Potential Yield        |                  | 5.9 %       | 6.4 %  | 7.9 %  | 9.1 %  | 9.5 %  | 11.2 % | 12.5 % |
| 05.05.22 AGM                                    | Net Debt                   |                  | 155.0       | 188.3  | 185.4  | 179.8  | 170.4  | 158.2  | 143.7  |
| 26.07.22 Q2                                     | ROCE (NOPAT)               |                  | 11.7 %      | 9.2 %  | 8.9 %  | 10.9 % | 10.4 % | 11.9 % | 12.6 % |
| 26.10.22 Q3                                     |                            | Y 2021: EBIT     | DA of EUR 6 | 60-68m |        |        |        |        |        |

Oliver Schwarz oschwarz@warburg-research.com +49 40 309537-250



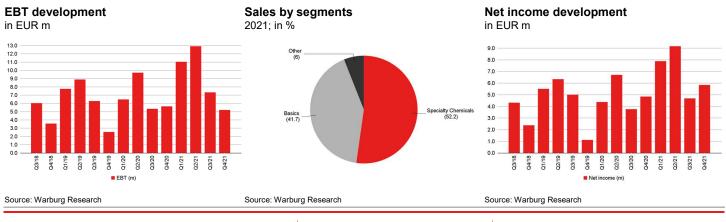


## **Company Background**

- Alzchem goes back to the Bayerische Stickstoff-Werke GmbH (1908), which built a large calcium carbide and calcium cyanamide plant on the river Alz
- In 1939, Bayerische Kraftwerk AG and Donauwerke AG merged to form Süddeutsche Kalkstickstoffe AG, based in Trostberg. In 1978 company's name was changed to SKW Trostberg AG
- Merger of Degussa Hüls AG with Trostberg AG to form Degussa AG in 2000. Merger of the Alz locations Trostberg, Schalchen, Hart and Waldkraiburg into AlzChem Holding GmbH in 2006
- Takeover by bluO in 2009, conversion to Alzchem AG 2011. In 2019 the company heavily invested in the area of feed additives with the construction of a dedicated CreAMINO® production facility
- AlzChem is brought into the listed Alzchem Group AG (formerly Softmatic AG). Alzchem Group AG is the new parent company of the Alzchem Group. 2019 Commissioning of investment projects Creamino® and Nitrile

## **Competitive Quality**

- Alzchem is a globally active, vertically integrated manufacturer of various chemical products of the calcium carbide/calcium cyanamide chain with a strategic focus on growth in the Specialty Chemicals business segment
- Alzchem's integrated manufacturing "Verbund" system enables efficiency gains in production. The company is the global leader or among the leading companies in its chosen fields of activity
- The company has four production facilities in Germany and one in Sweden that are complemented by two marketing companies in the US and in China allowing for global distribution of its products
- The company is benefiting from megatrends like sustainable energy production, population growth and increase in aging population. Its products offer attractive solutions that meet demand growth.
- Alzchem provides a highly diversified product portfolio ranging e.g. from dietary supplements, plant growth regulators to precursors for corona testing, thus addressing a wide range of customer industries





| DCF model                      |         |           |              |          |        |        |          |               |           |        |        |            |          |             |
|--------------------------------|---------|-----------|--------------|----------|--------|--------|----------|---------------|-----------|--------|--------|------------|----------|-------------|
|                                | Detaile | d forecas | t period     |          |        |        | ٦        | ransition     | al period |        |        |            |          | Term. Value |
| Figures in EUR m               | 2022e   | 2023e     | 2024e        | 2025e    | 2026e  | 2027e  | 2028e    | 2029e         | 2030e     | 2031e  | 2032e  | 2033e      | 2034e    |             |
| Sales                          | 480.7   | 505.0     | 527.5        | 548.6    | 570.0  | 591.7  | 613.6    | 635.7         | 657.9     | 679.6  | 700.7  | 721.0      | 740.5    |             |
| Sales change                   | 13.8 %  | 5.1 %     | 4.5 %        | 4.0 %    | 3.9 %  | 3.8 %  | 3.7 %    | 3.6 %         | 3.5 %     | 3.3 %  | 3.1 %  | 2.9 %      | 2.7 %    | 1.0 %       |
| EBIT                           | 39.5    | 46.6      | 50.7         | 51.5     | 53.0   | 54.4   | 55.8     | 57.2          | 58.5      | 59.8   | 60.9   | 62.0       | 62.9     |             |
| EBIT-margin                    | 8.2 %   | 9.2 %     | 9.6 %        | 9.4 %    | 9.3 %  | 9.2 %  | 9.1 %    | 9.0 %         | 8.9 %     | 8.8 %  | 8.7 %  | 8.6 %      | 8.5 %    |             |
| Tax rate (EBT)                 | 28.0 %  | 28.0 %    | 28.0 %       | 29.0 %   | 29.0 % | 29.0 % | 29.0 %   | 29.0 %        | 29.0 %    | 29.0 % | 29.0 % | 29.0 %     | 29.0 %   |             |
| NOPAT                          | 28.4    | 33.6      | 36.5         | 36.6     | 37.6   | 38.6   | 39.6     | 40.6          | 41.5      | 42.4   | 43.2   | 44.0       | 44.7     |             |
| Depreciation                   | 25.0    | 25.7      | 26.4         | 28.0     | 29.7   | 31.4   | 33.2     | 35.0          | 36.9      | 38.8   | 40.7   | 42.6       | 44.5     |             |
| in % of Sales                  | 5.2 %   | 5.1 %     | 5.0 %        | 5.1 %    | 5.2 %  | 5.3 %  | 5.4 %    | 5.5 %         | 5.6 %     | 5.7 %  | 5.8 %  | 5.9 %      | 6.0 %    |             |
| Changes in provisions          | -1.3    | 3.5       | 3.2          | 5.8      | 5.9    | 6.0    | 6.0      | 6.1           | 6.1       | 6.0    | 5.8    | 5.6        | 5.4      |             |
| Change in Liquidity from       |         |           |              |          |        |        |          |               |           |        |        |            |          |             |
| - Working Capital              | 6.1     | 3.5       | 3.2          | 7.0      | 7.3    | 4.6    | 4.7      | 4.7           | 4.8       | 4.6    | 4.5    | 4.3        | 4.2      |             |
| - Capex                        | 30.0    | 30.9      | 31.8         | 35.7     | 36.5   | 37.3   | 38.0     | 38.8          | 39.5      | 40.8   | 42.0   | 43.3       | 44.4     |             |
| Capex in % of Sales            | 6.2 %   | 6.1 %     | 6.0 %        | 6.5 %    | 6.4 %  | 6.3 %  | 6.2 %    | 6.1 %         | 6.0 %     | 6.0 %  | 6.0 %  | 6.0 %      | 6.0 %    |             |
| - Other                        | 0.0     | 0.0       | 0.0          | 0.0      | 0.0    | 0.0    | 0.0      | 0.0           | 0.0       | 0.0    | 0.0    | 0.0        | 0.0      |             |
| Free Cash Flow (WACC<br>Model) | 16.0    | 28.4      | 31.1         | 27.7     | 29.4   | 34.1   | 36.1     | 38.2          | 40.3      | 41.8   | 43.2   | 44.6       | 45.9     | 46          |
| PV of FCF                      | 15.2    | 25.0      | 25.4         | 21.0     | 20.7   | 22.3   | 22.0     | 21.6          | 21.2      | 20.4   | 19.6   | 18.8       | 18.0     | 268         |
| share of PVs                   |         | 12.14 %   |              |          |        |        |          | 38.09         | 9%        |        |        |            |          | 49.77 %     |
| Model parameter                |         |           |              |          |        |        | Valuat   | on (m)        |           |        |        |            |          |             |
| Derivation of WACC:            |         |           | Derivation   | of Beta: |        |        | Presen   | t values 20   | )34e      | 27     | '1     |            |          |             |
|                                |         |           |              |          |        |        | Termin   | al Value      |           | 26     | 8      |            |          |             |
| Debt ratio                     | 34.00 % |           | Financial S  | Strength |        | 1.50   | Financi  | al liabilitie | S         |        | 8      |            |          |             |
| Cost of debt (after tax)       | 3.6 %   |           | Liquidity (s | share)   |        | 2.00   |          | n liabilities |           | 14     |        |            |          |             |
| Market return                  | 7.00 %  |           | Cyclicality  |          |        | 1.50   | Hybrid   |               |           |        | 0      |            |          |             |
| Risk free rate                 | 1.50 %  |           | Transpare    | ncy      |        | 1.50   | Minorit  | / interest    |           |        | 2      |            |          |             |
|                                |         |           | Others       |          |        | 1.00   | Market   | val. of inv   | estments  |        | 0      |            |          |             |
|                                |         |           |              |          |        |        | Liquidit | у             |           |        | 8      | No. of sha | ires (m) | 10.1        |
| WACC                           | 7.64 %  |           | Beta         |          |        | 1.50   | Equity   | Value         |           | 35     | 8      | Value per  | share (E | UR) 35.29   |

#### Sensitivity Value per Share (EUR)

|      |       | Terminal | Growth |        |        |        |        |        |      |       | Delta EBIT | -margin |         |         |         |         |         |
|------|-------|----------|--------|--------|--------|--------|--------|--------|------|-------|------------|---------|---------|---------|---------|---------|---------|
| Beta | WACC  | 0.25 %   | 0.50 % | 0.75 % | 1.00 % | 1.25 % | 1.50 % | 1.75 % | Beta | WACC  | -0.8 pp    | -0.5 pp | -0.3 pp | +0.0 pp | +0.3 pp | +0.5 pp | +0.8 pp |
| 1.78 | 8.6 % | 25.86    | 26.43  | 27.04  | 27.69  | 28.38  | 29.12  | 29.92  | 1.78 | 8.6 % | 23.48      | 24.89   | 26.29   | 27.69   | 29.09   | 30.49   | 31.90   |
| 1.64 | 8.1 % | 29.01    | 29.70  | 30.43  | 31.22  | 32.06  | 32.96  | 33.94  | 1.64 | 8.1 % | 26.70      | 28.21   | 29.71   | 31.22   | 32.72   | 34.23   | 35.73   |
| 1.57 | 7.9 % | 30.74    | 31.50  | 32.31  | 33.18  | 34.11  | 35.11  | 36.20  | 1.57 | 7.9 % | 28.49      | 30.05   | 31.61   | 33.18   | 34.74   | 36.30   | 37.86   |
| 1.50 | 7.6 % | 32.60    | 33.43  | 34.32  | 35.29  | 36.32  | 37.44  | 38.66  | 1.50 | 7.6 % | 30.41      | 32.04   | 33.66   | 35.29   | 36.91   | 38.53   | 40.16   |
| 1.43 | 7.4 % | 34.59    | 35.51  | 36.50  | 37.56  | 38.72  | 39.97  | 41.33  | 1.43 | 7.4 % | 32.49      | 34.18   | 35.87   | 37.56   | 39.25   | 40.95   | 42.64   |
| 1.36 | 7.1 % | 36.72    | 37.74  | 38.84  | 40.03  | 41.32  | 42.72  | 44.26  | 1.36 | 7.1 % | 34.74      | 36.50   | 38.27   | 40.03   | 41.79   | 43.56   | 45.32   |
| 1.22 | 6.6 % | 41.51    | 42.78  | 44.14  | 45.63  | 47.26  | 49.05  | 51.02  | 1.22 | 6.6 % | 39.85      | 41.78   | 43.71   | 45.63   | 47.56   | 49.49   | 51.42   |

• The beta value Beta value reflects the limited liquidity of the share (Free float 47.5%),

• In addition, transparency is reduced for structural reasons as Alzchem is positioned as a B2B company

## Free Cash Flow Value Potential

Warburg Research's valuation tool "FCF Value Potential" reflects the ability of the company to generate sustainable free cash flows. It is based on the "FCF potential" - a FCF "ex growth" figure - which assumes unchanged working capital and pure maintenance capex. A value indication is derived via the perpetuity of a given year's "FCF potential" with consideration of the weighted costs of capital. The fluctuating value indications over time add a timing element to the DCF model (our preferred valuation tool).

WARBURG RESEARCH

| in EUR m  |        | 2018   | 2019   | 2020   | 2021   | 2022e  | 2023e  | 2024€   |
|---|--------|--------|--------|--------|--------|--------|--------|---------|
| Net Income before minorities                    |        | 22.8   | 18.1   | 19.9   | 27.8   | 26.8   | 32.1   | 35.3    |
| <ul> <li>Depreciation + Amortisation</li> </ul> |        | 15.2   | 19.5   | 23.1   | 24.5   | 25.0   | 25.7   | 26.4    |
| <ul> <li>Net Interest Income</li> </ul>         |        | -2.2   | -2.6   | -2.1   | -1.5   | -1.2   | -1.0   | -0.6    |
| <ul> <li>Maintenance Capex</li> </ul>           |        | 14.0   | 14.5   | 14.7   | 14.8   | 15.3   | 15.5   | 15.9    |
| + Other   |        | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     |
| = Free Cash Flow Potential                      |        | 26.2   | 25.8   | 30.4   | 38.9   | 37.7   | 43.3   | 46.4    |
| FCF Potential Yield (on market EV)              |        | 5.9 %  | 6.4 %  | 7.9 %  | 9.1 %  | 9.5 %  | 11.2 % | 12.5 %  |
| WACC  |        | 7.64 % | 7.64 % | 7.64 % | 7.64 % | 7.64 % | 7.64 % | 7.64 %  |
| = Enterprise Value (EV)                         |        | 444.4  | 404.4  | 387.2  | 425.3  | 398.5  | 386.2  | 371.8   |
| = Fair Enterprise Value                         |        | 342.8  | 337.2  | 397.7  | 508.9  | 493.8  | 567.2  | 607.0   |
| - Net Debt (Cash)                               |        | 39.8   | 39.8   | 39.8   | 39.8   | 31.7   | 16.0   | -1.6    |
| - Pension Liabilities                           |        | 140.0  | 140.0  | 140.0  | 140.0  | 138.7  | 142.2  | 145.4   |
| - Other   |        | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     |
| <ul> <li>Market value of minorities</li> </ul>  |        | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     |
| <ul> <li>Market value of investments</li> </ul> |        | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     |
| = Fair Market Capitalisation                    |        | 163.1  | 157.5  | 217.9  | 329.1  | 323.4  | 409.0  | 463.3   |
| Number of shares, average                       |        | 10.2   | 10.2   | 10.2   | 10.1   | 10.1   | 10.1   | 10.1    |
| = Fair value per share (EUR)                    |        | 16.02  | 15.48  | 21.42  | 32.47  | 31.91  | 40.36  | 45.71   |
| premium (-) / discount (+) in %                 |        |        |        |        |        | 41.8 % | 79.4 % | 103.1 % |
| Sensitivity Fair value per Share (E             | UR)    |        |        |        |        |        |        |         |
| 11  | 0.64 % | 6.55   | 6.16   | 10.44  | 18.32  | 18.17  | 24.58  | 28.83   |
|   | 9.64 % | 9.07   | 8.64   | 13.36  | 22.05  | 21.80  | 28.75  | 33.29   |
|   | 8.64 % | 12.17  | 11.69  | 16.96  | 26.66  | 26.27  | 33.88  | 38.78   |
| WACC  | 7.64 % | 16.02  | 15.48  | 21.42  | 32.47  | 31.91  | 40.36  | 45.71   |
|   | 6.64 % | 21.18  | 20.55  | 27.41  | 40.03  | 39.24  | 48.78  | 54.73   |
|   | 5.64 % | 28.08  | 27.33  | 35.41  | 50.27  | 49.18  | 60.19  | 66.94   |
|   | 4.64 % | 37.95  | 37.04  | 46.86  | 64.91  | 63.39  | 76.52  | 84.41   |

· Historical volatility of the value indication is due to cyclical operative development



## Sum of the parts

|   | Sale                              | es                                | EBITI                          | DA*                             | EBITDA-I                     | Margin                       | EBITD                        | A (x)                        | Fair valu   | e (calc.)   |
|---|-----------------------------------|-----------------------------------|--------------------------------|---------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|---|---|
| €m  | 2022e                             | 2023e                             | 2022e                          | 2023e                           | 2022e                        | 2023e                        | 2022e                        | 2023e                        | 2022e   | 2023e   |
| Specialty Chemicals<br>Basics & Intermediates<br>Other & Holding<br>Consolidation                             | 244.51<br>210.38<br>25.78<br>0.00 | 262.30<br>216.69<br>26.03<br>0.00 | 54.84<br>8.94<br>1.41<br>-0.70 | 60.12<br>11.11<br>1.82<br>-0.70 | 0.22<br>0.04<br>0.05<br>n.m. | 0.23<br>0.05<br>0.07<br>n.m. | 8.19<br>5.57<br>5.67<br>6.47 | 7.63<br>5.24<br>5.06<br>5.98 | 448.98<br>49.80<br>7.99<br>-4.53                    | 458.41<br>58.22<br>9.22<br>-4.18                    |
| Total   | 480.66                            | 505.02                            | 64.49                          | 72.35                           | 13.3%                        | 14.1%                        |                              |                              | 502.24  | 521.67  |
| - Net debt**<br>- Pension liabilities**<br>- Minorities***<br>+ Financial investments***<br>Fair equity value |                                   |                                   |                                |                                 |                              |                              |                              |                              | -31.73<br>-138.68<br>-3.46<br>0.00<br><b>470.51</b> | -15.96<br>-142.20<br>-4.00<br>0.00<br><b>505.71</b> |
| Fair value/share (€)  |                                   |                                   |                                |                                 |                              |                              |                              |                              | 32.40   | 35.47   |
| Average fair value/share (€)  |                                   |                                   |                                |                                 |                              |                              |                              |                              |   | 33.93   |

\* w/o extraordinary items

\*\* At book value

\*\*\* At market value

Specialty chemicals segment peers: Covestro, Huntsman, Ube Industries, PetroChina Company and Kumho Petrochemical
Basics & Intermediates segment peers: BASF, DuPont de Nemours, Clariant, Evonik, Lanxess,

International Flavours and Fragrances (IFF)

Other & Holding segment peer: Evonik



| Valuation  |                             |        |        |        |        |        |        |
|--|-----------------------------|--------|--------|--------|--------|--------|--------|
|  | 2018                        | 2019   | 2020   | 2021   | 2022e  | 2023e  | 2024e  |
| Price / Book   | 4.3 x                       | 3.6 x  | 3.0 x  | 2.8 x  | 2.2 x  | 1.8 x  | 1.5 x  |
| Book value per share ex intangibles                      | 6.50                        | 5.72   | 6.40   | 8.42   | 10.07  | 12.24  | 14.62  |
| EV / Sales   | 1.2 x                       | 1.1 x  | 1.0 x  | 1.0 x  | 0.8 x  | 0.8 x  | 0.7 x  |
| EV / EBITDA  | 9.0 x                       | 8.1 x  | 7.2 x  | 6.9 x  | 6.2 x  | 5.3 x  | 4.8 x  |
| EV / EBIT  | 13.0 x                      | 13.2 x | 12.6 x | 11.3 x | 10.1 x | 8.3 x  | 7.3 x  |
| EV / EBIT adj.*  | 13.0 x                      | 13.2 x | 12.6 x | 11.3 x | 10.1 x | 8.3 x  | 7.3 x  |
| P / FCF  | n.a.                        | 93.8 x | 10.1 x | 16.9 x | 12.5 x | 8.8 x  | 7.9 x  |
| P/E  | 12.8 x                      | 12.0 x | 10.2 x | 8.9 x  | 8.6 x  | 7.1 x  | 6.5 x  |
| P / E adj.*  | 12.8 x                      | 12.0 x | 10.2 x | 8.9 x  | 8.6 x  | 7.1 x  | 6.5 x  |
| Dividend Yield   | 3.2 %                       | 3.5 %  | 3.9 %  | 4.1 %  | 4.4 %  | 4.9 %  | 4.9 %  |
| FCF Potential Yield (on market EV)                       | 5.9 %                       | 6.4 %  | 7.9 %  | 9.1 %  | 9.5 %  | 11.2 % | 12.5 % |
| *Adjustments made for: Restructuring costs, value adjust | tments, one-off earnings/lo | sses   |        |        |        |        |        |

### **Consolidated profit & loss**



| In EUR m   | 2018   | 2019   | 2020   | 2021   | 2022e  | 2023e  | 20246  |
|--|--------|--------|--------|--------|--------|--------|--------|
| Sales  | 375.2  | 376.1  | 379.3  | 422.3  | 480.7  | 505.0  | 527.   |
| Change Sales yoy                                 | 6.0 %  | 0.2 %  | 0.8 %  | 11.3 % | 13.8 % | 5.1 %  | 4.5 %  |
| Increase / decrease in inventory                 | 5.5    | -4.9   | -2.5   | 10.0   | 0.0    | 0.0    | 0.0    |
| Own work capitalised                             | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| Total Sales                                      | 380.7  | 371.2  | 376.7  | 432.3  | 480.7  | 505.0  | 527.   |
| Material expenses                                | 155.4  | 142.4  | 132.5  | 170.7  | 204.7  | 214.5  | 225.5  |
| Gross profit                                     | 225.2  | 228.8  | 244.2  | 261.7  | 275.9  | 290.5  | 302.0  |
| Gross profit margin                              | 60.0 % | 60.8 % | 64.4 % | 62.0 % | 57.4 % | 57.5 % | 57.2 % |
| Personnel expenses                               | 114.2  | 122.1  | 127.4  | 132.2  | 140.9  | 147.1  | 152.6  |
| Other operating income                           | 13.4   | 17.1   | 10.7   | 11.4   | 12.1   | 12.7   | 13.3   |
| Other operating expenses                         | 75.1   | 73.8   | 73.7   | 78.8   | 82.6   | 83.8   | 85.5   |
| Unfrequent items                                 | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| EBITDA   | 49.4   | 50.1   | 53.8   | 62.0   | 64.5   | 72.3   | 77.1   |
| Margin   | 13.2 % | 13.3 % | 14.2 % | 14.7 % | 13.4 % | 14.3 % | 14.6 % |
| Depreciation of fixed assets                     | 15.2   | 19.5   | 23.1   | 24.5   | 25.0   | 25.7   | 26.4   |
| EBITA  | 34.2   | 30.6   | 30.7   | 37.6   | 39.5   | 46.6   | 50.7   |
| Amortisation of intangible assets                | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| Goodwill amortisation                            | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| EBIT   | 34.2   | 30.6   | 30.7   | 37.6   | 39.5   | 46.6   | 50.7   |
| Margin   | 9.1 %  | 8.1 %  | 8.1 %  | 8.9 %  | 8.2 %  | 9.2 %  | 9.6 %  |
| EBIT adj.  | 34.2   | 30.6   | 30.7   | 37.6   | 39.5   | 46.6   | 50.7   |
| Interest income                                  | 0.2    | 0.1    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| Interest expenses                                | 2.4    | 2.7    | 2.1    | 1.5    | 1.2    | 1.0    | 0.6    |
| Other financial income (loss)                    | 0.0    | -2.5   | -1.4   | 0.4    | -1.0   | -1.1   | -1.1   |
| EBT  | 32.0   | 25.5   | 27.2   | 36.5   | 37.3   | 44.5   | 49.0   |
| Margin   | 8.5 %  | 6.8 %  | 7.2 %  | 8.6 %  | 7.7 %  | 8.8 %  | 9.3 %  |
| Total taxes                                      | 9.1    | 7.3    | 7.3    | 8.7    | 10.4   | 12.5   | 13.7   |
| Net income from continuing operations            | 22.8   | 18.1   | 19.9   | 27.8   | 26.8   | 32.1   | 35.3   |
| Income from discontinued operations (net of tax) | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| Net income before minorities                     | 22.8   | 18.1   | 19.9   | 27.8   | 26.8   | 32.1   | 35.3   |
| Minority interest                                | 0.1    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    |
| Net income                                       | 22.7   | 18.0   | 19.7   | 27.6   | 26.6   | 31.9   | 35.1   |
| Margin   | 6.0 %  | 4.8 %  | 5.2 %  | 6.5 %  | 5.5 %  | 6.3 %  | 6.7 %  |
| Number of shares, average                        | 10.2   | 10.2   | 10.2   | 10.1   | 10.1   | 10.1   | 10.1   |
| EPS  | 2.23   | 1.77   | 1.94   | 2.72   | 2.63   | 3.15   | 3.46   |
| EPS adi.   | 2.23   | 1.77   | 1.94   | 2.72   | 2.63   | 3.15   | 3.46   |

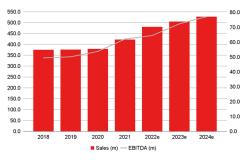
#### Guidance: FY 2021: EBITDA of EUR 60-68m

### **Financial Ratios**

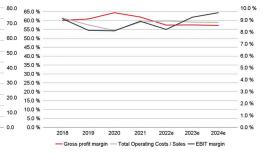
| 2018        | 2019  | 2020  | 2021  | 2022e   | 2023e   | 2024e   |
|-------------|---|---|---|---|---|---|
| 61.4 %      | 57.5 %  | 54.4 %  | 59.1 %  | 59.8 %  | 59.1 %  | 59.0 %  |
| 2.3 x       | -46.3 x                                       | 0.5 x   | 2.0 x   | 0.4 x   | 3.6 x   | 2.0 x   |
| 20.2 x      | 18.3 x  | 25.1 x  | 41.6 x  | 54.7 x  | 71.1 x  | 121.5 x   |
| 28.6 %      | 28.8 %  | 27.0 %  | 24.0 %  | 28.0 %  | 28.0 %  | 28.0 %  |
| 40.1 %      | 42.1 %  | 39.4 %  | 36.5 %  | 37.8 %  | 34.8 %  | 31.6 %  |
| 761,221,489 | 223,112                                       | n.a.  | n.a.  | n.a.  | n.a.  | n.a.  |
|             | 61.4 %<br>2.3 x<br>20.2 x<br>28.6 %<br>40.1 % | 61.4 %         57.5 %           2.3 x         -46.3 x           20.2 x         18.3 x           28.6 %         28.8 %           40.1 %         42.1 % | 61.4 %         57.5 %         54.4 %           2.3 x         -46.3 x         0.5 x           20.2 x         18.3 x         25.1 x           28.6 %         28.8 %         27.0 %           40.1 %         42.1 %         39.4 % | 61.4 %         57.5 %         54.4 %         59.1 %           2.3 x         -46.3 x         0.5 x         2.0 x           20.2 x         18.3 x         25.1 x         41.6 x           28.6 %         28.8 %         27.0 %         24.0 %           40.1 %         42.1 %         39.4 %         36.5 % | 61.4 %         57.5 %         54.4 %         59.1 %         59.8 %           2.3 x         -46.3 x         0.5 x         2.0 x         0.4 x           20.2 x         18.3 x         25.1 x         41.6 x         54.7 x           28.6 %         28.8 %         27.0 %         24.0 %         28.0 %           40.1 %         42.1 %         39.4 %         36.5 %         37.8 % | 61.4 %         57.5 %         54.4 %         59.1 %         59.8 %         59.1 %           2.3 x         -46.3 x         0.5 x         2.0 x         0.4 x         3.6 x           20.2 x         18.3 x         25.1 x         41.6 x         54.7 x         71.1 x           28.6 %         28.8 %         27.0 %         24.0 %         28.0 %         28.0 %           40.1 %         42.1 %         39.4 %         36.5 %         37.8 %         34.8 % |

# Sales, EBITDA in EUR m

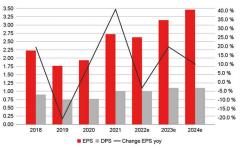
Source: Warburg Research



# Operating Performance in %



## Performance per Share



Source: Warburg Research

Source: Warburg Research

7

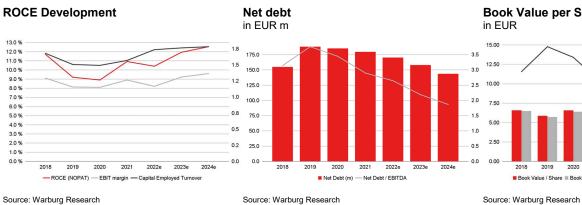
# Consolidated balance sheet



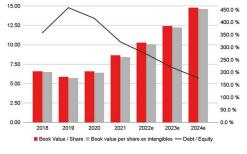
| In EUR m  | 2018  | 2019  | 2020  | 2021  | 2022e | 2023e | 2024e |
|---|-------|-------|-------|-------|-------|-------|-------|
| Assets  |       |       |       |       |       |       |       |
| Goodwill and other intangible assets                    | 0.9   | 1.5   | 1.8   | 2.3   | 2.1   | 1.9   | 1.7   |
| thereof other intangible assets                         | 0.9   | 1.5   | 1.8   | 2.3   | 2.1   | 1.9   | 1.7   |
| thereof Goodwill  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Property, plant and equipment                           | 144.3 | 175.5 | 183.6 | 186.5 | 191.7 | 197.1 | 202.7 |
| Financial assets  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Other long-term assets                                  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Fixed assets  | 145.1 | 177.0 | 185.4 | 188.8 | 193.8 | 199.0 | 204.4 |
| Inventories   | 78.9  | 74.6  | 67.4  | 86.7  | 94.7  | 97.9  | 100.8 |
| Accounts receivable                                     | 34.4  | 32.5  | 33.1  | 40.8  | 43.5  | 45.7  | 47.7  |
| Liquid assets   | 12.9  | 9.1   | 17.1  | 8.3   | 9.7   | 9.9   | 11.3  |
| Other short-term assets                                 | 42.4  | 49.4  | 51.3  | 53.0  | 53.9  | 55.8  | 57.4  |
| Current assets  | 168.4 | 165.6 | 168.9 | 188.8 | 201.8 | 209.2 | 217.2 |
| Total Assets  | 313.6 | 342.6 | 354.3 | 377.7 | 395.6 | 408.2 | 421.6 |
| Liabilities and shareholders' equity                    |       |       |       |       |       |       |       |
| Subscribed capital                                      | 101.8 | 101.8 | 101.8 | 101.8 | 101.8 | 101.8 | 101.8 |
| Capital reserve   | -4.2  | -5.0  | -4.2  | -1.7  | 0.3   | 2.9   | 5.8   |
| Retained earnings                                       | -25.4 | -30.7 | -25.5 | -10.3 | 1.7   | 17.6  | 35.1  |
| Other equity components                                 | -5.2  | -6.3  | -5.2  | -2.1  | 0.4   | 3.6   | 7.2   |
| Shareholders' equity                                    | 67.0  | 59.8  | 66.9  | 87.6  | 104.1 | 125.9 | 149.8 |
| Minority interest                                       | 1.4   | 1.6   | 1.8   | 1.9   | 2.0   | 2.1   | 2.2   |
| Total equity  | 68.4  | 61.4  | 68.7  | 89.6  | 106.2 | 128.0 | 152.0 |
| Provisions  | 131.4 | 158.8 | 168.9 | 167.3 | 168.5 | 173.1 | 177.1 |
| thereof provisions for pensions and similar obligations | 110.0 | 134.6 | 141.8 | 140.0 | 138.7 | 142.2 | 145.4 |
| Financial liabilities (total)                           | 57.9  | 62.7  | 60.7  | 48.0  | 41.5  | 25.9  | 9.6   |
| Short-term financial liabilities                        | 25.4  | 11.9  | 12.7  | 10.5  | 8.5   | 6.7   | 4.9   |
| Accounts payable  | 30.9  | 24.1  | 20.9  | 32.8  | 37.3  | 39.2  | 40.9  |
| Other liabilities                                       | 25.0  | 35.7  | 35.1  | 39.9  | 42.1  | 42.0  | 41.8  |
| Liabilities   | 245.2 | 281.2 | 285.6 | 288.1 | 289.4 | 280.2 | 269.5 |
| Total liabilities and shareholders' equity              | 313.6 | 342.6 | 354.3 | 377.7 | 395.6 | 408.2 | 421.6 |

## **Financial Ratios**

|                                     | 2018    | 2019    | 2020    | 2021    | 2022e   | 2023e   | 2024e  |
|-------------------------------------|---------|---------|---------|---------|---------|---------|--------|
| Efficiency of Capital Employment    |         |         |         |         |         |         |        |
| Operating Assets Turnover           | 1.7 x   | 1.5 x   | 1.4 x   | 1.5 x   | 1.6 x   | 1.7 x   | 1.7 x  |
| Capital Employed Turnover           | 1.7 x   | 1.5 x   | 1.5 x   | 1.6 x   | 1.7 x   | 1.8 x   | 1.8 x  |
| ROA                                 | 15.6 %  | 10.2 %  | 10.6 %  | 14.6 %  | 13.8 %  | 16.0 %  | 17.2 % |
| Return on Capital                   |         |         |         |         |         |         |        |
| ROCE (NOPAT)                        | 11.7 %  | 9.2 %   | 8.9 %   | 10.9 %  | 10.4 %  | 11.9 %  | 12.6 % |
| ROE                                 | 37.0 %  | 28.4 %  | 31.1 %  | 35.7 %  | 27.8 %  | 27.7 %  | 25.4 % |
| Adj. ROE                            | 37.0 %  | 28.4 %  | 31.1 %  | 35.7 %  | 27.8 %  | 27.7 %  | 25.4 % |
| Balance sheet quality               |         |         |         |         |         |         |        |
| Net Debt                            | 155.0   | 188.3   | 185.4   | 179.8   | 170.4   | 158.2   | 143.7  |
| Net Financial Debt                  | 45.1    | 53.6    | 43.6    | 39.8    | 31.7    | 16.0    | -1.6   |
| Net Gearing                         | 226.7 % | 306.8 % | 270.0 % | 200.7 % | 160.5 % | 123.5 % | 94.5 % |
| Net Fin. Debt / EBITDA              | 91.3 %  | 107.1 % | 81.1 %  | 64.1 %  | 49.2 %  | 22.1 %  | n.a.   |
| Book Value / Share                  | 6.6     | 5.9     | 6.6     | 8.6     | 10.3    | 12.4    | 14.8   |
| Book value per share ex intangibles | 6.5     | 5.7     | 6.4     | 8.4     | 10.1    | 12.2    | 14.6   |



# **Book Value per Share**



COMMENT

Published 02.03.2022

8

### **Consolidated cash flow statement**

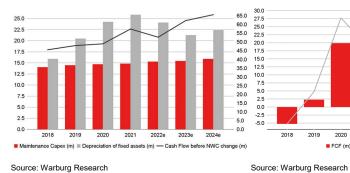


| In EUR m   | 2018  | 2019  | 2020  | 2021  | 2022e | 2023e | 2024e |
|--|-------|-------|-------|-------|-------|-------|-------|
| Net income   | 22.8  | 18.1  | 19.9  | 27.8  | 26.8  | 32.1  | 35.3  |
| Depreciation of fixed assets                           | 15.9  | 20.5  | 24.3  | 25.9  | 24.1  | 21.3  | 22.4  |
| Amortisation of goodwill                               | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Amortisation of intangible assets                      | -0.7  | -1.0  | -1.2  | -1.4  | 0.9   | 4.4   | 4.0   |
| Increase/decrease in long-term provisions              | -0.7  | -1.0  | -1.2  | -1.4  | 0.9   | 4.4   | 4.0   |
| Other non-cash income and expenses                     | 8.3   | 11.4  | 7.2   | 6.6   | 0.0   | 0.0   | 0.0   |
| Cash Flow before NWC change                            | 45.6  | 48.0  | 49.0  | 57.4  | 52.8  | 62.2  | 65.7  |
| Increase / decrease in inventory                       | -5.3  | 2.4   | 5.3   | -16.5 | -8.0  | -3.2  | -2.9  |
| Increase / decrease in accounts receivable             | -5.9  | -7.1  | -5.8  | 1.8   | -3.5  | -4.0  | -3.7  |
| Increase / decrease in accounts payable                | 0.0   | 0.0   | 0.0   | 0.0   | 0.3   | 0.1   | 0.1   |
| Increase / decrease in other working capital positions | 0.3   | 0.3   | 0.2   | 0.3   | 6.7   | 1.8   | 1.5   |
| Increase / decrease in working capital (total)         | -10.9 | -4.4  | -0.3  | -14.4 | -4.5  | -5.3  | -5.0  |
| Net cash provided by operating activities [1]          | 34.7  | 43.6  | 48.7  | 43.0  | 48.2  | 56.9  | 60.7  |
| Investments in intangible assets                       | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Investments in property, plant and equipment           | -40.1 | -41.4 | -28.8 | -28.5 | -30.0 | -30.9 | -31.8 |
| Payments for acquisitions                              | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Financial investments                                  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Income from asset disposals                            | 0.2   | 0.1   | 0.0   | 0.1   | 0.0   | 0.0   | 0.0   |
| Net cash provided by investing activities [2]          | -39.9 | -41.3 | -28.8 | -28.5 | -30.0 | -30.9 | -31.8 |
| Change in financial liabilities                        | 16.5  | 4.8   | -1.9  | -12.7 | -6.6  | -15.6 | -16.2 |
| Dividends paid   | -11.3 | -9.3  | -7.8  | -8.0  | -10.2 | -10.2 | -11.2 |
| Purchase of own shares                                 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Capital measures                                       | 0.0   | 0.0   | 0.0   | -1.0  | 0.0   | 0.0   | 0.0   |
| Other  | 0.0   | -1.6  | -2.0  | -1.9  | 0.0   | 0.0   | 0.0   |
| Net cash provided by financing activities [3]          | 5.3   | -6.2  | -11.7 | -23.6 | -16.8 | -25.8 | -27.5 |
| Change in liquid funds [1]+[2]+[3]                     | 0.0   | -3.9  | 8.2   | -9.3  | 1.5   | 0.2   | 1.4   |
| Effects of exchange-rate changes on cash               | 0.0   | 0.1   | -0.1  | 0.3   | 0.0   | 0.0   | 0.0   |
| Cash and cash equivalent at end of period              | 12.9  | 9.1   | 17.1  | 8.3   | 9.7   | 9.9   | 11.3  |

## **Financial Ratios**

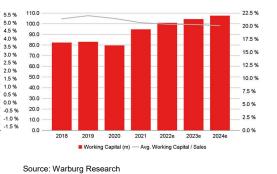
|                                      | 2018    | 2019    | 2020    | 2021    | 2022e   | 2023e   | 2024e   |
|--------------------------------------|---------|---------|---------|---------|---------|---------|---------|
| Cash Flow                            |         |         |         |         |         |         |         |
| FCF                                  | -5.2    | 2.3     | 19.9    | 14.5    | 18.2    | 26.0    | 28.8    |
| Free Cash Flow / Sales               | -1.4 %  | 0.6 %   | 5.2 %   | 3.4 %   | 3.8 %   | 5.1 %   | 5.5 %   |
| Free Cash Flow Potential             | 26.2    | 25.8    | 30.4    | 38.9    | 37.7    | 43.3    | 46.4    |
| Free Cash Flow / Net Profit          | -23.1 % | 12.8 %  | 100.9 % | 52.7 %  | 68.5 %  | 81.5 %  | 82.1 %  |
| Interest Received / Avg. Cash        | 1.6 %   | 1.1 %   | 0.1 %   | 0.0 %   | 0.0 %   | 0.0 %   | 0.0 %   |
| Interest Paid / Avg. Debt            | 4.9 %   | 4.5 %   | 3.5 %   | 2.7 %   | 2.6 %   | 3.0 %   | 3.6 %   |
| Management of Funds                  |         |         |         |         |         |         |         |
| Investment ratio                     | 10.7 %  | 11.0 %  | 7.6 %   | 6.8 %   | 6.2 %   | 6.1 %   | 6.0 %   |
| Maint. Capex / Sales                 | 3.7 %   | 3.9 %   | 3.9 %   | 3.5 %   | 3.2 %   | 3.1 %   | 3.0 %   |
| Capex / Dep                          | 264.2 % | 212.3 % | 124.8 % | 116.6 % | 119.8 % | 120.2 % | 120.5 % |
| Avg. Working Capital / Sales         | 21.4 %  | 22.0 %  | 21.4 %  | 20.6 %  | 20.3 %  | 20.3 %  | 20.1 %  |
| Trade Debtors / Trade Creditors      | 111.3 % | 135.0 % | 158.6 % | 124.6 % | 116.6 % | 116.6 % | 116.6 % |
| Inventory Turnover                   | 2.0 x   | 1.9 x   | 2.0 x   | 2.0 x   | 2.2 x   | 2.2 x   | 2.2 x   |
| Receivables collection period (days) | 33      | 32      | 32      | 35      | 33      | 33      | 33      |
| Payables payment period (days)       | 72      | 62      | 58      | 70      | 67      | 67      | 66      |
| Cash conversion cycle (Days)         | 146     | 161     | 160     | 151     | 135     | 133     | 130     |

#### **CAPEX and Cash Flow** in EUR m



### **Free Cash Flow Generation**

### **Working Capital**



COMMENT

Published 02.03.2022

2021 2022e 2023e 2024e

2020

FCF (m) - Free Cash Flow / Sales

9



#### LEGAL DISCLAIMER

This research report ("investment recommendation") was prepared by the Warburg Research GmbH, a fully owned subsidiary of the M.M.Warburg & CO (AG & Co.) KGaA and is passed on by the M.M.Warburg & CO (AG & Co.) KGaA. It is intended solely for the recipient and may not be passed on to another company without their prior consent, regardless of whether the company is part of the same corporation or not. It contains selected information and does not purport to be complete. The investment recommendation is based on publicly available information and data ("information") believed to be accurate and complete. Warburg Research GmbH neither examines the information for accuracy and completeness, nor guarantees its accuracy and completeness. Possible errors or incompleteness of the information do not constitute grounds for liability of M.M.Warburg & CO (AG & Co.) KGaA or Warburg Research GmbH for damages of any kind whatsoever, and M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH are not liable for indirect and/or direct and/or consequential damages. In particular, neither M.M.Warburg & CO (AG & Co.) KGaA nor Warburg Research GmbH are liable for the statements, plans or other details contained in these investment recommendations concerning the examined companies, their affiliated companies, strategies, economic situations, market and competitive situations, regulatory environment, etc. Although due care has been taken in compiling this investment recommendation, it cannot be excluded that it is incomplete or contains errors. M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH, their shareholders and employees are not liable for the accuracy and completeness of the statements, estimations and the conclusions derived from the information contained in this investment recommendation. Provided a investment recommendation is being transmitted in connection with an existing contractual relationship, i.e. financial advisory or similar services, the liability of M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH shall be restricted to gross negligence and wilful misconduct. In case of failure in essential tasks, M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH are liable for normal negligence. In any case, the liability of M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH is limited to typical, expectable damages. This investment recommendation does not constitute an offer or a solicitation of an offer for the purchase or sale of any security. Partners, directors or employees of M.M.Warburg & CO (AG & Co.) KGaA, Warburg Research GmbH or affiliated companies may serve in a position of responsibility, i.e. on the board of directors of companies mentioned in the report. Opinions expressed in this investment recommendation are subject to change without notice. All rights reserved.

#### **COPYRIGHT NOTICE**

This work including all its parts is protected by copyright. Any use beyond the limits provided by copyright law without permission is prohibited and punishable. This applies, in particular, to reproductions, translations, microfilming, and storage and processing on electronic media of the entire content or parts thereof.

# DISCLOSURE ACCORDING TO §85 OF THE GERMAN SECURITIES TRADING ACT (WPHG), MAR AND MIFID II INCL. COMMISSION DELEGATED REGULATION (EU) 2016/958 AND (EU) 2017/565

The valuation underlying the investment recommendation for the company analysed here is based on generally accepted and widely used methods of fundamental analysis, such as e.g. DCF Model, Free Cash Flow Value Potential, NAV, Peer Group Comparison or Sum of the Parts Model (see also <u>http://www.mmwarburg.de/disclaimer/disclaimer.htm#Valuation</u>). The result of this fundamental valuation is modified to take into consideration the analyst's assessment as regards the expected development of investor sentiment and its impact on the share price.

Independent of the applied valuation methods, there is the risk that the price target will not be met, for instance because of unforeseen changes in demand for the company's products, changes in management, technology, economic development, interest rate development, operating and/or material costs, competitive pressure, supervisory law, exchange rate, tax rate etc. For investments in foreign markets and instruments there are further risks, generally based on exchange rate changes or changes in political and social conditions.

This commentary reflects the opinion of the relevant author at the point in time of its compilation. A change in the fundamental factors underlying the valuation can mean that the valuation is subsequently no longer accurate. Whether, or in what time frame, an update of this commentary follows is not determined in advance.

Additional internal and organisational arrangements to prevent or to deal with conflicts of interest have been implemented. Among these are the spatial separation of Warburg Research GmbH from M.M.Warburg & CO (AG & Co.) KGaA and the creation of areas of confidentiality. This prevents the exchange of information, which could form the basis of conflicts of interest for Warburg Research GmbH in terms of the analysed issuers or their financial instruments.

The analysts of Warburg Research GmbH do not receive a gratuity – directly or indirectly – from the investment banking activities of M.M.Warburg & CO (AG & Co.) KGaA or of any company within the Warburg-Group.

All prices of financial instruments given in this investment recommendation are the closing prices on the last stock-market trading day before the publication date stated, unless another point in time is explicitly stated.

M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH are subject to the supervision of the Federal Financial Supervisory Authority, BaFin. M.M.Warburg & CO (AG & Co.) KGaA is additionally subject to the supervision of the European Central Bank (ECB).



#### SOURCES

All data and consensus estimates have been obtained from FactSet except where stated otherwise.

The **Warburg ESG Risk Score** is based on information © 2020 MSCI ESG Research LLC. Reproduced by permission. Although Warburg Research's information providers, including without limitation, MSCI ESG Research LLC and its affiliates (the "ESG Parties"), obtain information (the "Information") from sources they consider reliable, none of the ESG Parties warrants or guarantees the originality, accuracy and/or completeness, of any data herein and expressly disclaim all express or implied warranties, including those of merchantability and fitness for a particular purpose. The Information may only be used for your internal use, may not be reproduced or redisseminated in any form and may not be used as a basis for, or a component, of any financial instruments or products indices. Further, none of the Information can in and of itself be used to determine which securities to buy or sell or when to buy or sell them. None of the ESG Parties shall have any liability for any errors or omissions in connection with any data herein, or any liability for any direct, indirect, special, punitive, consequential or any other damage (including lost profits) even if notified of the possibility.

-4-



#### Additional information for clients in the United States

1. This research report (the "Report") is a product of Warburg Research GmbH, Germany, a fully owned subsidiary of M.M.Warburg & CO (AG & Co.)

KGaA, Germany (in the following collectively "Warburg"). Warburg is the employer of the research analyst(s), who have prepared the Report. The research analyst(s) reside outside the United States and are not associated persons of any U.S. regulated broker-dealer and therefore are not subject to the supervision of any U.S. regulated broker-dealer.

2. The Report is provided in the United States for distribution solely to "major U.S. institutional investors" under Rule 15a-6 of the U.S. Securities Exchange Act of 1934 by CIC.

3. CIC (Crédit Industriel et Commercial) and M.M. Warburg & CO have concluded a Research Distribution Agreement that gives CIC Market Solutions exclusive distribution in France, the US and Canada of the Warburg Research GmbH research product.

4. The research reports are distributed in the United States of America by CIC ("CIC") pursuant to a SEC Rule 15a-6 agreement with CIC Market Solutions Inc ("CICI"), a U.S. registered broker-dealer and a related company of CIC, and are distributed solely to persons who qualify as "Major U.S. Institutional Investors" as defined in SEC Rule 15a-6 under the Securities Exchange Act of 1934.

5. Any person who is not a Major U.S. Institutional Investor must not rely on this communication. The delivery of this research report to any person in the United States of America is not a recommendation to effect any transactions in the securities discussed herein, or an endorsement of any opinion expressed herein.

# Reference in accordance with section 85 of the German Securities Trading Act (WpHG) and Art. 20 MAR regarding possible conflicts of interest with companies analysed:

- -1- Warburg Research, or an affiliated company, or an employee of one of these companies responsible for the compilation of the research, hold a **share of more than 5%** of the equity capital of the analysed company.
- Warburg Research, or an affiliated company, within the last twelve months participated in the management of a consortium for an issue in
   -2- the course of a public offering of such financial instruments, which are, or the issuer of which is, the subject of the investment recommendation.
- -3- Companies affiliated with Warburg Research manage financial instruments, which are, or the issuers of which are, subject of the investment recommendation, in a market based on the provision of buy or sell contracts.

MMWB, Warburg Research, or an affiliated company, reached an agreement with the issuer to provide **investment banking and/or investment services** and the relevant agreement was in force in the last 12 months or there arose for this period, based on the relevant agreement, the obligation to provide or to receive a service or compensation - provided that this disclosure does not result in the disclosure of

- confidential business information.
- -5- The company compiling the analysis or an affiliated company had reached an **agreement on the compilation of the investment** recommendation with the analysed company.
- -6a- Warburg Research, or an affiliated company, holds a **net long position of more than 0.5%** of the total issued share capital of the analysed company.
- -6b- Warburg Research, or an affiliated company, holds a **net short position of more than 0.5%** of the total issued share capital of the analysed company.
- -6c- The issuer holds shares of more than 5% of the total issued capital of Warburg Research or an affiliated company.
- -7- The company preparing the analysis as well as its affiliated companies and employees have **other important interests** in relation to the analysed company, such as, for example, the exercising of mandates at analysed companies.

This report has been made accessible to the company analysed and was modified thereafter.

| Company | Disclosure | Link to the historical price targets and rating changes (last 12 months) |
|---------|------------|--|
| Alzchem | 5          | http://www.mmwarburg.com/disclaimer/disclaimer_en/DE000A2YNT30.htm       |



## INVESTMENT RECOMMENDATION

Investment recommendation: expected direction of the share price development of the financial instrument up to the given <u>price target</u> in the opinion of the analyst who covers this financial instrument.

| -B- | Buy:              | The price of the analysed financial instrument is expected to rise over the next 12 months.               |  |  |
|-----|-------------------|---|--|--|
| -H- | Hold:             | The price of the analysed financial instrument is expected to remain mostly flat over the next 12 months. |  |  |
| -S- | Sell:             | The price of the analysed financial instrument is expected to fall over the next 12 months.               |  |  |
| "_" | Rating suspended: | The available information currently does not permit an evaluation of the company.                         |  |  |

#### WARBURG RESEARCH GMBH - ANALYSED RESEARCH UNIVERSE BY RATING

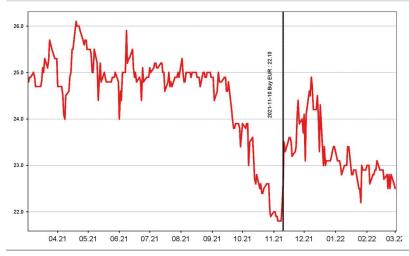
| Rating           | Number of stocks | % of Universe |
|------------------|------------------|---------------|
| Buy              | 165              | 78            |
| Hold             | 40               | 19            |
| Sell             | 4                | 2             |
| Rating suspended | 3                | 1             |
| Total            | 212              | 100           |

#### WARBURG RESEARCH GMBH – ANALYSED RESEARCH UNIVERSE BY RATING ...

... taking into account only those companies which were provided with major investment services in the last twelve months.

| Rating           | Number of stocks | % of Universe |
|------------------|------------------|---------------|
| Buy              | 52               | 88            |
| Hold             | 4                | 7             |
| Sell             | 1                | 2             |
| Rating suspended | 2                | 3             |
| Total            | 59               | 100           |

### PRICE AND RATING HISTORY ALZCHEM AS OF 02.03.2022



Markings in the chart show rating changes by Warburg Research GmbH in the last 12 months. Every marking details the date and closing price on the day of the rating change.

#### EQUITIES

Matthias Rode Head of Equities

#### RESEARCH

Michael Heider Head of Research Henner Rüschmeier Head of Research Stefan Augustin Cap. Goods, Engineering Jan Bauer Renewables Jonas Blum Telco, Media, Construction **Christian Cohrs** Industrials & Transportation Dr. Christian Ehmann BioTech. Life Science Felix Ellmann Software, IT Jörg Philipp Frey Retail, Consumer Goods Marius Fuhrberg **Financial Services** Mustafa Hidir Automobiles, Car Suppliers Philipp Kaiser Real Estate

### INSTITUTIONAL EQUITY SALES

+49 40 309537-280 mheider@warburg-research.com +49 40 309537-270 hrueschmeier@warburg-research.com +49 40 309537-168 saugustin@warburg-research.com +49 40 309537-155 jbauer@warburg-research.com +49 40 309537-240 jblum@warburg-research.com +49 40 309537-175 ccohrs@warburg-research.com +49 40 309537-167 cehmann@warburg-research.com +49 40 309537-120 fellmann@warburg-research.com +49 40 309537-258 jfrey@warburg-research.com +49 40 309537-185 mfuhrberg@warburg-research.com +49 40 309537-230 mhidir@warburg-research.com +49 40 309537-260 pkaiser@warburg-research.com

+49 40 3282-2678

mrode@mmwarburg.com

+49 40 3282-2660 mniemann@mmwarburg.com +49 69 5050-7400 kschilling@mmwarburg.com +49 40 3282-2665 tbeckmann@mmwarburg.com +49 69 5050-7411 lbogdanova@mmwarburg.com +49 69 5050-7415 jbuchmueller@mmwarburg.com +49 40 3282-2669 aeschweiler@mmwarburg.com +49 40 3282-2696 mfritsch@mmwarburg.com

#### SALES TRADING

Marc Niemann

Klaus Schilling

Tim Beckmann

Lea Bogdanova

Jens Buchmüller

Scandinavia, Austria

United Kingdom, Ireland

Alexander Eschweiler

Germany, Luxembourg

Matthias Fritsch

United Kingdom

United Kingdom

Head of Equity Sales. Germany

Head of Equity Sales, Germany

Oliver Merckel+49 40 3282-2634Head of Sales Tradingomerckel@mmwarburg.comElyaz Dust+49 40 3282-2702Sales Tradingedust@mmwarburg.comMichael Ilgenstein+49 40 3282-2700Sales Tradingmilgenstein@mmwarburg.com

#### MACRO RESEARCH

Carsten Klude +49 40 3282-2572 Dr. Christian Jasperneite Investment Strategy cklude@mmwarburg.com Macro Research Our research can be found under: Refinitiv Warburg Research research.mmwarburg.com/en/index.html Bloomberg RESP MMWA GO Capital IQ FactSet www.factset.com For access please contact:

 Andrea Schaper
 +49 40 3282-2632

 Sales Assistance
 aschaper@mmwarburg.com

Kerstin Muthig Sales Assistance



Thilo Kleibauer Retail, Consumer Goods Eggert Kuls Engineering Andreas Pläsier Banks, Financial Services Malte Schaumann Technology **Oliver Schwarz** Chemicals, Agriculture Simon Stippig Real Estate Cansu Tatar Cap. Goods. Engineering Marc-René Tonn Automobiles, Car Suppliers Robert-Jan van der Horst Technology Andreas Wolf Software, IT

**Maximilian Martin** 

**Christopher Seedorf** 

Austria, Poland

Sophie Hauer Roadshow/Marketing

Juliane Niemann

Roadshow/Marketing

Marcel Magiera

**Bastian Quast** 

Sales Trading

Sales Trading

Sales Trading

Jörg Treptow

Switzerland

+49 40 309537-257 tkleibauer@warburg-research.com +49 40 309537-256 ekuls@warburg-research.com +49 40 309537-246 aplaesier@warburg-research.com +49 40 309537-170 mschaumann@warburg-research.com +49 40 309537-250 oschwarz@warburg-research.com +49 40 309537-265 sstippig@warburg-research.com +49 40 309537-248 ctatar@warburg-research.com +49 40 309537-259 mtonn@warburg-research.com +49 40 309537-290 rvanderhorst@warburg-research.com +49 40 309537-140 awolf@warburg-research.com

> +49 69 5050-7413 mmartin@mmwarburg.com +49 40 3282-2695 cseedorf@mmwarburg.com

> +49 69 5050-7417 shauer@mmwarburg.com +49 40 3282-2694 jniemann@mmwarburg.com

+49 40 3282-2662 mmagiera@mmwarburg.com +49 40 3282-2701 bquast@mmwarburg.com +49 40 3282-2658 jtreptow@mmwarburg.com

+49 40 3282-2439 cjasperneite@mmwarburg.com

www.refinitiv.com www.capitaliq.com

+49 40 3282-2703 kmuthig@mmwarburg.com