

Q1 2014 results

May 6, 2014

Encouraging start to the year

Demand momentum translating into volume growth

- Across end-user markets
- Growth in Asia continued
- Sound dynamics in North America, but affected by extreme weather conditions
- Modest demand pick-up in Europe
- Latin America below its potential

Excellence programs delivering

- Pricing power increased overcoming forex headwinds
- Fixed-cost inflation largely offset

Forex headwinds and one-offs partly weighed on performance

Strong set of results

REBITDA & margin expansion



Structural projects progressing

European Chlorovinyls

JV with Ineos / Benvic disposal

- JV with Ineos
 - Remediation package market tested
 - Awaiting approval from EU anti-trust authorities by 16 May 2014
- Benvic sale agreement signed, completion expected in H1

Polyamide

Renewed JV agreement with Invista

- Providing long-term JV frame
- Most advanced technology upgrade in butadienebased ADN plant
- Enhanced flexibility for mid-term strategic developments

Indupa (Latin American PVC)

Sale to Braskem

• Awaiting approval from Brazilian anti-trust authorities before YE 2014

Eco Services (US sulphuric acid)

Strategic options being explored

• Progressing well



Strong set of results

Q1 2014 financial highlights



€467 m REBITDA

+11% yoy

- Transactional forex headwinds
- Excellence enhancing pricing power and margin



€(97) m *€(11) m in 2013*

• In line with seasonal patterns



Demand and excellence momentum underpinning REBITDA growth





Good volume growth despite temporary extreme weather and industrial incidents

Forex headwinds primarily from USD, JPY, BRL and various emerging countries' currencies Pricing power thanks to portfolio, underpinned by excellence initiatives, and despite adverse transactional currency effects of \in (11) m Fixed cost inflation largely mitigated by excellence initiatives





Broad performance delivery

(Advanced Formulations impacted by temporary effects)



* Excluding Corporate & Business Services





Adjusted* Net Income (Group share) increased by 24%

in€m	Q1 2014	Q1 2013
Net sales	2,552	2,516
REBITDA	467	422
Other elements	(17)	-
Depreciation & Amortization	(160)	(154)
REBIT	290	268
Non-recurring items	(30)	(40)
EBIT	260	228
Net financial charges	(98)	(83)
Income taxes	(52)	(56)
Result from discontinued operations	11	12
Net income	121	101
Net income Solvay share	107	86

Other elements

- € (12) m at Rusvinyl (pre-operational): Ruble devaluation effect on debt
- € (5) m at Chemlogics: PPA inventories + holdback payments

Non-recurring costs

• Restructuring costs of € (5) m, significantly down on 2013

Net financial charges

- Net charges on debt decreased due to improved Balance Sheet, but one-off negative linked to settlement of interest rate swaps € (19)m
- Discounting costs for environmental provisions up €(6) m as rates down 50 bp in Europe

Income taxes

- Tax rate of 32%
 (33% underlying excluding non recurring elements)
- * Adjusted: Excluding non-cash PPA accounting impacts related to the Rhodia acquisition



Net debt increase in line with seasonal patterns

Net debt* evolution

in€m



* Net debt excludes hybrid bonds of ${\in}\,1.2$ bn booked as equity

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Seasonal swing in industrial working capital needs







Industrial cycle





Selective investments for value growth







Larger on-going investment projects

	Novecare	Specialty Surfactants plant in Germany	
	Aroma Performance	Vanillin plant in China	XXX
	Specialty Polymers	Fluoro-polymers JV with 3F	
2014	Silica	HDS plant in Poland 85 ktonnes/year	
Expected commissioning	Rusvinyl*	PVC plant in Russia (in JV with Sibur) 330 ktonnes/year	
	Novecare	 Large-scale alkoxylation plant in Texas, USA Large-scale alkoxylation plant in Singapore 	
	Specialty Polymers	Fluoro-polymers plant in China	
2015	Peroxide	HPPO plant in Saudi Arabia 300 ktonnes/year	
Expected commissioning	Soda Ash & Derivatives	Bicarbonate plant in Thailand 100 ktonnes/year	

* Reported as equity investment





A sound and more efficient balance sheet



Strong credit ratios (31/03/2014)





Repayments in 2014-2015 $\rightarrow \in 1.8$ bn

Early redemption of high-yield (HY) bonds

- \Rightarrow Average interest rate reduced by 40 bp to 4.9%
- ⇒ Cost of carry halved to \in (50) m by 2015



2014 outlook

Encouraging Q1 underpins confidence

Solvay expects high single-digit REBITDA* growth at current perimeter & prevailing forex exchange rates

* Compared to 2013 restated Adjusted REBITDA of €1,704 m





Transformation continues



- Complete initiated portfolio upgrades
- Grow with our customers
- Sustain focus on excellence
- Deliver profit growth

Asking more from chemistry





Take-aways





* Prior to discontinued operations





Safe harbour

To the extent that any statements made in this presentation contain information that is not historical, these statements are essentially forward-looking. The achievement of forward-looking statements contained in this presentation is subject to risks and uncertainties because of a number of factors, including general economic factors, interest rate and foreign currency exchange rate fluctuations; changing market conditions, product competition, the nature of product development, impact of acquisitions and divestitures, restructurings, products withdrawals; regulatory approval processes, all-in scenario of R&D projects and other unusual items.

Consequently, actual results may differ materially from those expressed or implied by such forward-looking statements. Forwardlooking statements can be identified by the use of words such as "expects," "plans," "will," "believes," "may," "could" "estimates," "intends", "goals", "targets", "objectives", "potential", and other words of similar meaning. Should known or unknown risks or uncertainties materialize, or should our assumptions prove inaccurate, actual results could vary materially from those anticipated. The Company undertakes no obligation to publicly update any forwardlooking statements.



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Annexes

- Additional financial elements
- 2016 ambitions
- Segment presentation





Balance sheet

Cash flow statement

in€m	31/03/2014	31/12/2013
Fixed assets	9,676	9,732
Investment & shares	727	735
Loans & other non current financial receivables / payables	98	84
Assets held for sale	1,713	1,621
Taxes payable/receivable + Others	41	44
Working capital	1,537	1,259
Total invested capital	13,792	13,475
Equity	7,455	7,453
Provisions	3,894	3,820
Dividends	2	112
Net financial debt	1,460	1,142
Liabilities related to assets held for sale	984	949
Total financing	13,792	13,475

in€m	Q1 2014	Q1 2013
Cash flow from operating activities	97	145
Cash flow from investing activities	(222)	(169)
Cash flow from financing activities	(653)	(167)
Net change in cash & cash equivalents	(778)	(190)
Currency translation differences	(2)	18
Opening cash balance	1,972	1,787
Ending cash balance	1,193	1,614
Free Cash Flow	(97)	(11)
From continuing operations	(158)	(131)
From discontinued operations	62	120



Lower rates led to slight pension liability increase



Net pension liabilities

in€bn



Net pension liability denominated for 75% in EUR

Discount rates decreased

	31/12/2013	31/03/2014	
EUR	3.25%	3.00%	-0.25%
GBP	4.50%	4.25%	-0.25%
USD	4.75%	4.75%	-
Weighted average	3.88%	3.66%	-0.22%

Pension assets of €1,936 m at YE

- 50% Equities / Diversified alternative funds
- 50% Bonds / Real estate

Cash contribution* in Q1 2014 of €(40) m (€(186) m in FY 2013)

* Includes discontinued operations



P&L considerations for 2014

Forex (conversion and transactional)	 Negative currency impact foreseen of € (65) m, assuming Q1 2014 average spot rates prevail Mainly linked to USD, JPY and BRL
Carbon emission rights	 Carbon Emission Rights (CER) scheme phased out in H1 2013 Total sales of CERs: €58 m in H1 2013 (€14 m in Q1, €44 m in Q2)
Rusvinyl ramp-up (PVC JV in Russia)	 Planned commissioning and subsequent ramp-up in H2 Pre-operational charges linked to ruble devaluation impact on JV debt: Q1 2014 → € (12) m)





Financial charges considerations for 2014

Debt repayments

- €1.3 bn in 2014
- €1.8 bn by 2015

€500 m in January 2014 **€800 m** in May 2014 (call option on high-yield bonds 2018) **€500 m** in June 2015

Lead to a reduction of net interest charges

 \Rightarrow Average gross interest rate to reduce by 40 bp to 4.9%

 \Rightarrow Cost of carry to halve

Discounting costs on provisions, at YE 2013 rates

Environmental provisions: ~ \in 30 m with additional charges of \in (6)m in Q1 from rates decrease (50 bp in EU)

Pensions: ~€100 m



Hybrid bond issuance enhances equity

Nominal value of €1.2 bn, at initial average dividend yield of 4.7%

€0.7 bn at 4.199%

€0.5 bn at 5.425%

Accounting considerations



Income statement: No impact



Balance sheet: Treated under Equity



Cash flow statement: Dividends treated in cash flow from financing activities





Other considerations for 2014

Depreciation & Amortization

- Recurring Depreciation & Amortization: ~€650 m
- Rhodia PPA impact: ~€ 120 m

Restructuring costs expected to be about half 2013 level of €(120) m

Underlying tax rate progressing from mid to low 30s over 2014-2016

Discontinued operations, expected to reach completion in 2014

- Indupa sale to generate ~ € (60) m* currency translation adjustments at deal closing
- Chlorovinyls JV with Ineos will be treated as recurring equity investment upon JV effectiveness

* Situation as of 31/03/2014





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Solvay, a major global chemical player



asking more from chemistry®



Well-balanced geographical spread and end-user markets

Balanced geographic exposure*

North Merica 25% Latin America 11%

* Figures represent % of 2013 net sales (pro-forma Chemlogics)



Exposure to higher growth end-markets*





90% of our business ranking among top 3 players

1	ADVANCED FORMULATIONS	Specialty surfactants	PERFORMANCE CHEMICALS	Hydrogen peroxide
	Diphenols		Soda ash	
	Phosphorus chemistry		Bicarbonate	
	ADVANCED MATERIALS	High-performance engineering polymers	Fluorinated polymers	Rare earth formulations
		& compounds	High-barrier polymers	High-dispersible silica

3	FUNCTIONAL	PA 6.6 polymers	PERFORMANCE	Cellulose acetate
	POLYMERS	& intermediates	CHEMICALS	fiber
		PA 6.6 engineering plastics		





Strong innovation portfolio aligned with global megatrends



2013

15 Major R&I sites worldwide

1,950 R&I staff

€280 m R&I efforts

22% New sales ratio

252 Patents filed



Converting vision into value





A business portfolio change



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REBITDA growth supported by strong operational levers



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Enhanced quality of earnings across segments with differentiated levers throughout our businesses



Unlocking value by increasing CFROI and REBITDA margin

2012 2016 **REBITDA margin** Premium **REBITDA margin** Premium WACC ! WACC **return** return 30% 30% **CFROI** to increase by 0 20% 20% 100bp 0 **REBITDA margin** 10% 10% to reach 1/3rd of 2/3rd of 18% total assets total assets 0% 0% 12% 0% 6% 18% 6% 12% 0% 18% **CFROI CFROI** REBITDA - Rec. Capex - Tax GBUs CFROI = Solvay Gross assets + Working Capital Bubble Size indicates REBITDA (in €bn) Premium return = WACC + 150bp



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Focused on being a model of sustainability taking commitments





Dow Jones Sustainability Indexes

-TSE4Good



Executing a clear value creation strategy

Towards a higher growth, improved cash generation & enhanced returns Chemical Group

Targeting Sustainable Value Growth





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Organization set-up



Customer-centric Empowered

Entrepreneurial

Result-oriented





Organized in Global Business Units



* Restated for IFRS 11 application as from 01/01/2014





Advanced Formulations



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As one of Solvay's growth engines, the businesses grouped under Advanced Formulations stand out for their innovation capacity and low capital intensity. Their offerings address major societal trends, meeting ever stricter requirements to respect the environment, save energy and challenges of the mass consumer markets.



Advanced Formulations 2014 Q1 performance

Solid markets and strong Chemlogics delivery but weather and forex weighed



Novecare

- Chemlogics integration progresses well
- Quarterly demand dynamics globally healthy, in particular Oil&Gas
- Extreme weather conditions hampered production and supply, esp. agro business

Coatis

- Drought and uncompetitive domestic LatAm market weighed on performance
- Market share gains and rising margins in solvents

Aroma Performance

- Force majeure at Baton Rouge plant
- Price increase for hydroquinone





Novecare

Cutting-edge technologies in diversified focused markets



🌍 % of Novecare sales in 2013 (proforma Chemlogics)





Advanced Materials



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A leader in markets with high entry barriers and strong returns on investment, the Advanced Materials segment is a major contributor to the Group's performance and growth. Innovation, its global presence feature and long-term partnerships with customers provide a compelling competitive edge with industries seeking increasingly energy efficiency and less polluting functionalities.



Advanced Materials 2014 Q1 performance

Record performance boosted by innovation-driven volume growth and operational efficiency



Q1 2013

margin $24\% \rightarrow 27\%$

Q1 2014

Specialty Polymers

- Volume growth across all end markets
 - End of customer destocking in Energy applications: Oil&Gas and Photovoltaics
 - Positive trend in healthcare continued
 - New applications in automotive, industrial and consumer goods segments

Silica

• Strong demand in Europe and Asia

Rare Earth Systems

 New regulation underpins volumes and margins in catalyst business

Special Chemicals

 Good business trends in most end-markets, esp. automotive and (micro-)electronics





Specialty Polymers

Focused on the most advanced products



Temperature resistance Chemical inertness Weathering resistance **Corrosion protection** Water repellence **Stain repellence Electrical inertness** Non-flammability **Fatigue resistance Biocompatibility Extractables** Self-cleaning Transparency Heat transfer **Processability Toughness** Elasticity Barrier Tribology Release Colour



Cost

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Specialty Polymers

Industry leader with the broadest product portfolio



Broadest portfolio + Innovation leader = Best solution provider





Silica Highly Dispersible Silica (HDS) delivers value to the tire industry

Excellent technical performance ...



Enables a 5-7% improvement in efficiency

... growing across a number of applications

In passenger car and light trucks

- Energy-efficient tires
- Winter tires
- Sport tires

In heavy trucks

• Commercial emergence of tires using a majority of silica vs. carbon black

HDS, a significant enabler of performance, a minor portion of overall tire production cost (<3%)

Source: Smithers Rapra, Solvay estimates







Performance Chemicals



- Latin America
- North America



Operating on mature resilient markets, this Segment's success is based on economies of scale, competitiveness and quality of service. Solidly cash-generating, the Performance Chemicals businesses are engaged in new programs of excellence to create additional sustainable value.

Restated for IFRS 11 application as from 01/01/2014



36%



Performance Chemicals 2014 Q1 performance

Pricing power and excellence programs underpinning earnings growth





margin 21%→24%

Soda Ash & Derivatives

- Soda Ash demand up in Europe and export market
- Prices up overall
- Bicarbonate growth offset by forex

Peroxide

• Rising demand for Peroxide in EU and US

Acetow

• Pricing power at Acetow

Eco Services

Eco Services growth offset by forex

Emerging Biochemicals

• Weak market for Emerging Biochemicals





Soda Ash & Derivatives Cost is a key success factor in the soda ash industry



Soda ash plants

SOLVAY asking more from chemistry®

Source, Solvay based on external databases



Soda Ash & Derivatives European soda ash supply/demand to improve in next 3 years

2014-2016 2017-2019 **Restructuration** started with Kazan project closure announcements Potentially adding 2.5 mt/yr production capacity Solvay Povoa (0.2 mt/yr) Based on natural production process Tata Winnington (0.5 mt/yr) Cash cost expected at same level as best-in-class European synthetic assets Production capacity utilization rate to increase Further **restructuring** among least competitive assets in the European

- Following restructuring at the supply side
- Following slight expected growth in demand

industry can be expected





Functional Polymers



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The key success factors of this Segment, which primarily groups the Polyamide activities, are continuous manufacturing optimization and innovation. Solvay is one of the few players to operate across the entire polyamide 6-6 chain.



Functional Polymers 2014 Q1 performance

Improved operational efficiency and pricing drove earnings growth, supported by demand



Polyamide

- Volume growth offset by pricing and forex
- Improved manufacturing yields and pricing power
- Delivery on Polyamide excellence programs

Chlorovinyls

- Benvic being sold to OpenGate
- Indupa being sold to Braskem
- Chlorovinyls JV process on-going



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Corporate & Business Services



This Segment includes the Solvay Energy Services business which delivers energy optimization programs in the Group and for third parties. It also includes the corporate functions.



Energy Services

- Strong operational delivery in on-going businesses
- Paraiso cogeneration plant reached satisfactory run-rate
- CER phase-out in H1 2013 affecting comparables

Other Corporate & Business Services

- Benefited from expense deferral and forex impact
- Tight cost control compensated inflation





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