

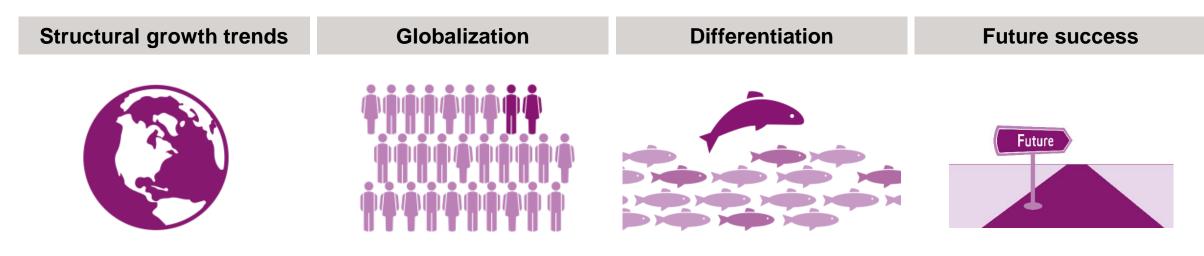
Evonik Nutrition & Care -Much more than Methionine and Baby Care

13 April 2017 **Credit Suisse, London**

Dr. Reiner Beste Chairman of the Board of Management Nutrition & Care



Segment overview What our businesses have in common



We serve growth markets fueled by megatrends with a direct and immediate link to our business. We fulfill basic human needs in a globalizing world.

Our common strategic goal is to strive for differentiation.

We are a group of businesses with an equally promising future.



- Helping to ensure a **Sustainable food chain** for 9 billion people:
 - by reducing the ecological footprint in food protein production
 - by lowering risk of over-fishing as demand for seafood rises
 - with natural compounds for advanced food ingredients
- Addressing the need for more sustainable products:
 - by responding to the overall "natural" trend in cosmetics
 - by enabling the commercial viability of biosurfactants
 - by reducing the ecological footprint to meet new standards in various industries (e.g. textile, agrochemicals, adhesives)





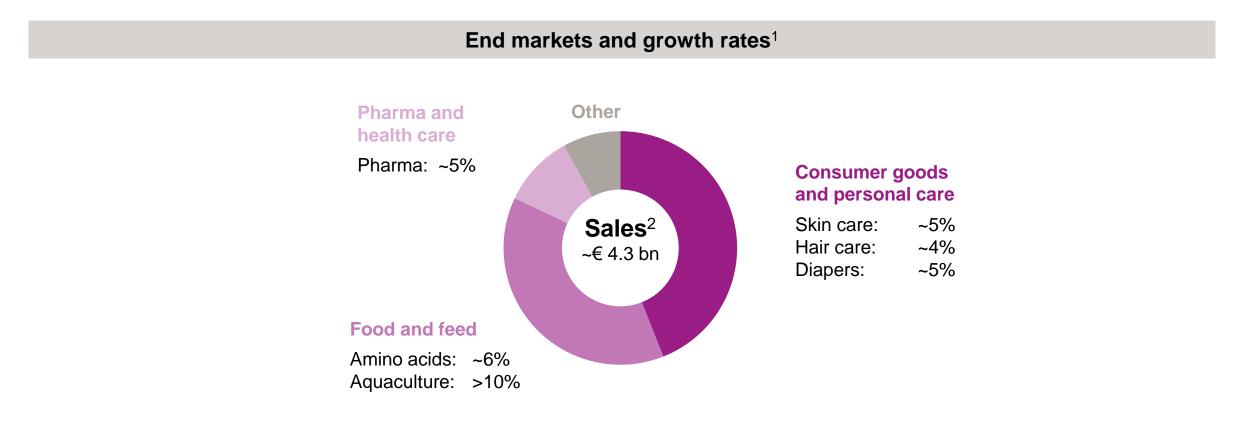


Segment overview Portfolio of seven Business Lines





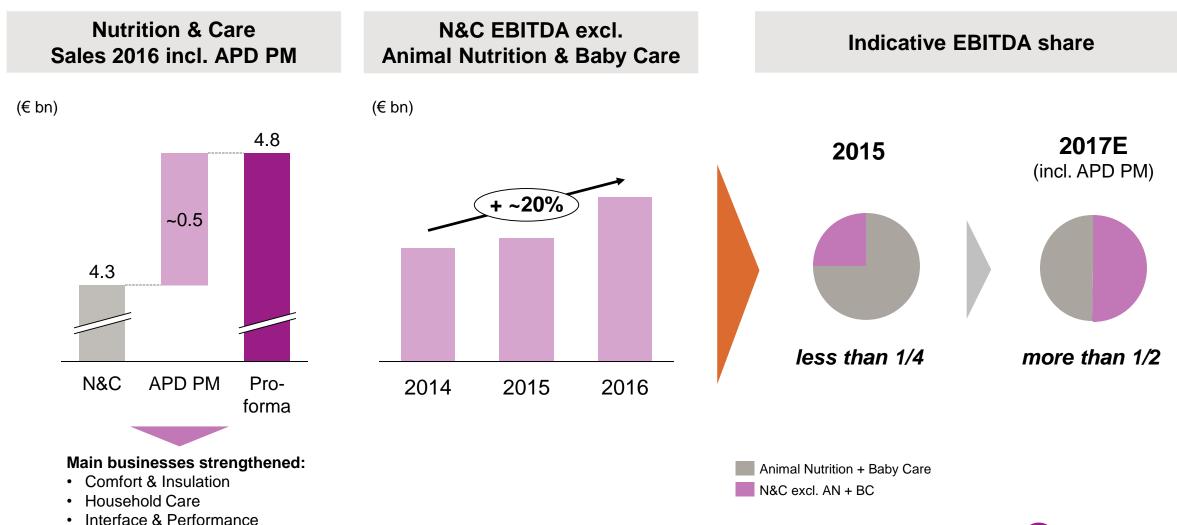
Segment overview Serving end markets with robust and resilient growth



- 1. Expected end market growth rates p.a. according to industry reports and Evonik estimates
- 2. 2016 numbers



APD PM acquisition and strong underlying growth strengthen resilience of Nutrition & Care





Spotlight Personal Care Develop specialties portfolio for cosmetic applications

Strategic Objective:

Further develop into specialties supplier with broad portfolio for cosmetic applications

- Attractive global growth market with low volatility (CAGR ~5 % p. a.)
- Persisting trend to natural cosmetics based on sustainable raw materials
- Opportunities for differentiation via Marketing, Application Know-how, Technology and Innovation



Business Line Personal Care Acquisition of Dr. Straetmans

Sustainable preservation with state of the art multifunctionals

Preservatives

- Preservatives are an essential part of any cosmetics formulation preventing product deterioration (e.g. via oxidation) → important cross-sectional technology
- Trend towards non-traditional preservatives due to criticism of traditional preservatives (e.g. possible estrogenic effects of paraben)
- Use of non-traditional preservatives is more complex and requires higher dosages and higher application and formulation know-how

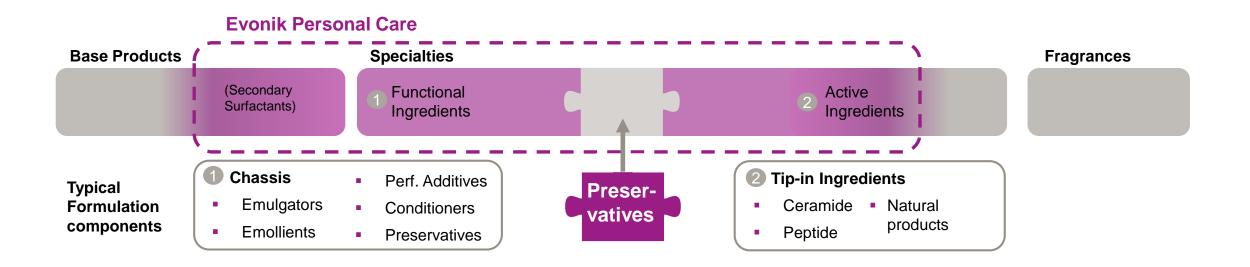
CAGR '16-'21 ~€500M "Safest" solution drstraetmans Non-Tradtional 100 ~+10% Requires higher dosage & (mainly triggers more demand vegetable-based) (therefore higher costs) Safer "Safer" than Controversial Traditional 400 (mainly crude oil-based) **Tougher regulations** Controversial Negative public image Consumer pressure 2016(e)

Market shift to high-growth non-traditional preservatives



Business Line Personal Care Acquisition of Dr. Straetmans

Helping Evonik Personal Care to become a wide technology player



Strategic rationale

- Combination of preservatives know how of Dr. Straetmans with emulsifier know how of Evonik
- Expanded formulation skills in one hand, thus enhanced capability to offer formulation packages
- Reduced development time and costs for customers



Spotlight Health Care

Solution provider and development partner to the health care industry

Strategic Objective: Further development of the three product lines with their specific success factors

Pharma Polymers & Services



- Drug delivery systems
- Functional medical devices
- Services
- ~6% market growth
- Further extension of attractive growth business
- Broadening of technology basis and competencies
- Transformation to solution provider and development partner with broad portfolio for pharma customers

Exclusive Synthesis



- Service provider for development and manufacturing of APIs and intermediates
- ~5% market growth
- Addition of further differentiating competencies
- Pursue advanced technologies to grow the business in differentiated areas
- Additional preferred partnerships with selected high-value Pharma companies

Pharma & Food Ingredients

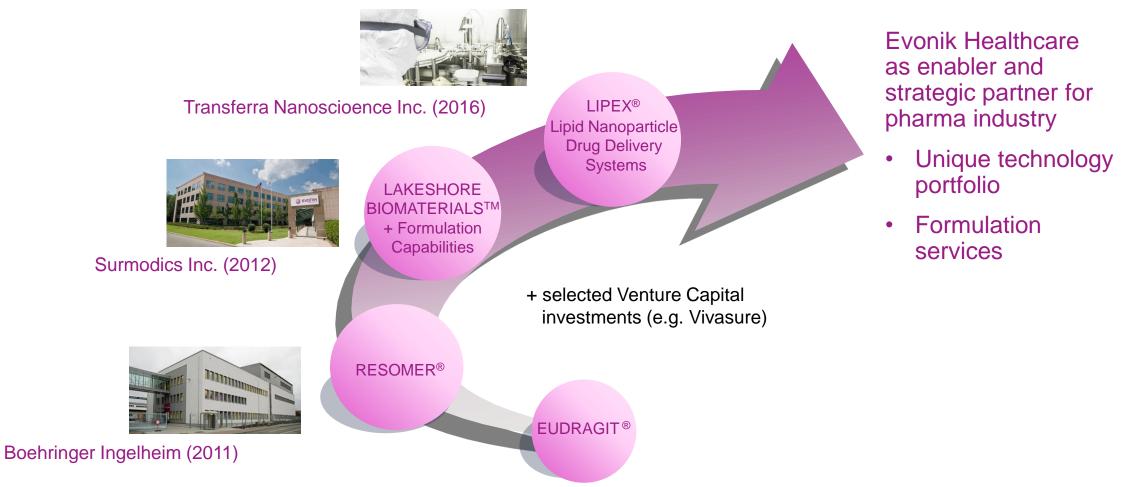


- Pharma-Intermediates and Amino Acids
- Ingredients for medical nutrition / dietary supplements
- ~4% market growth
- Further strengthen and grow existing business
- Expand activities in nutritional supplements via organic growth (innovation) and selected bolt-on acquisitions



Business Line Health Care Pharma Polymers & Services

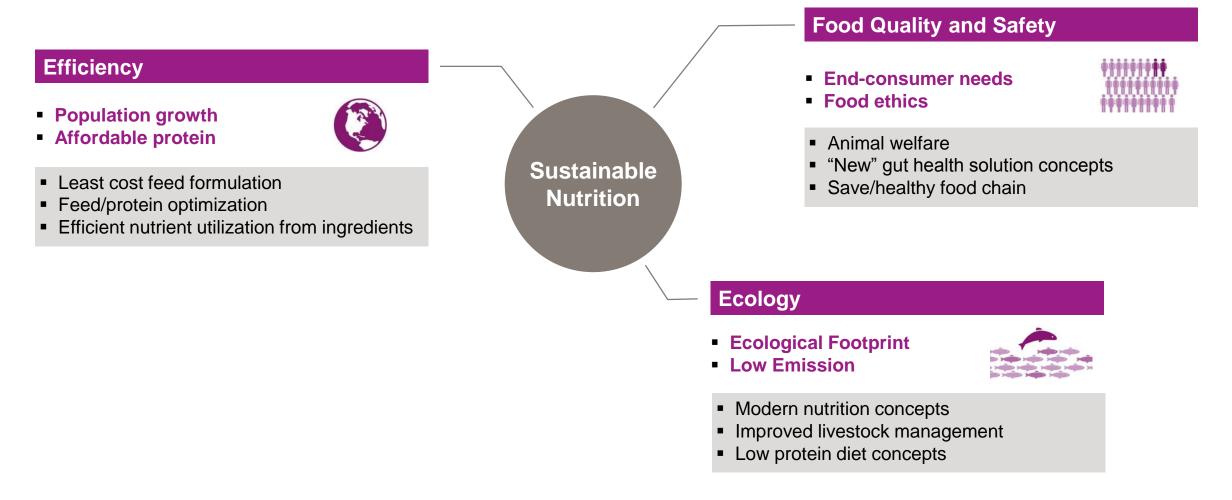
Building up competences and solution portfolio by Technology M&A





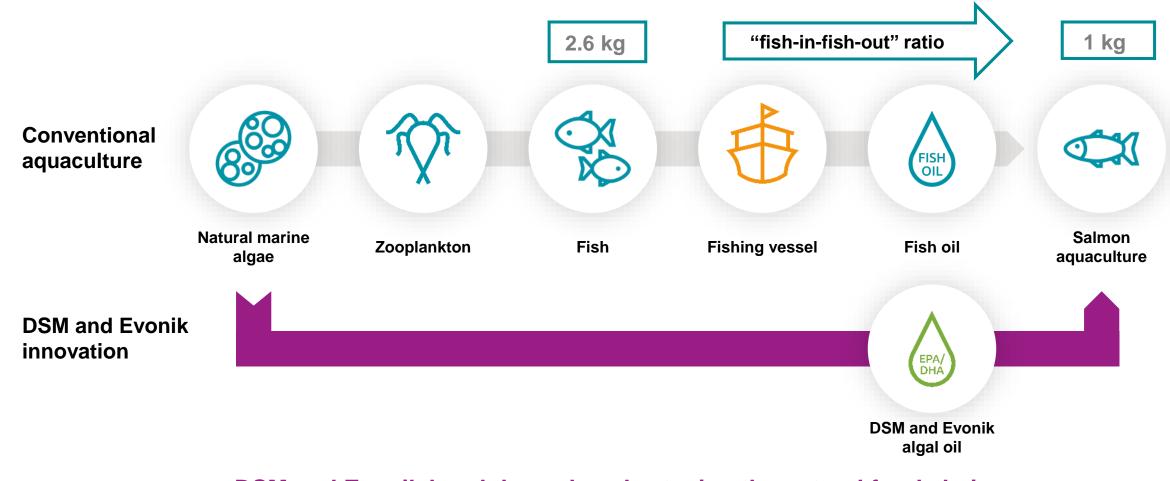
Spotlight Sustainable Nutrition

Innovating for a more sustainable food chain





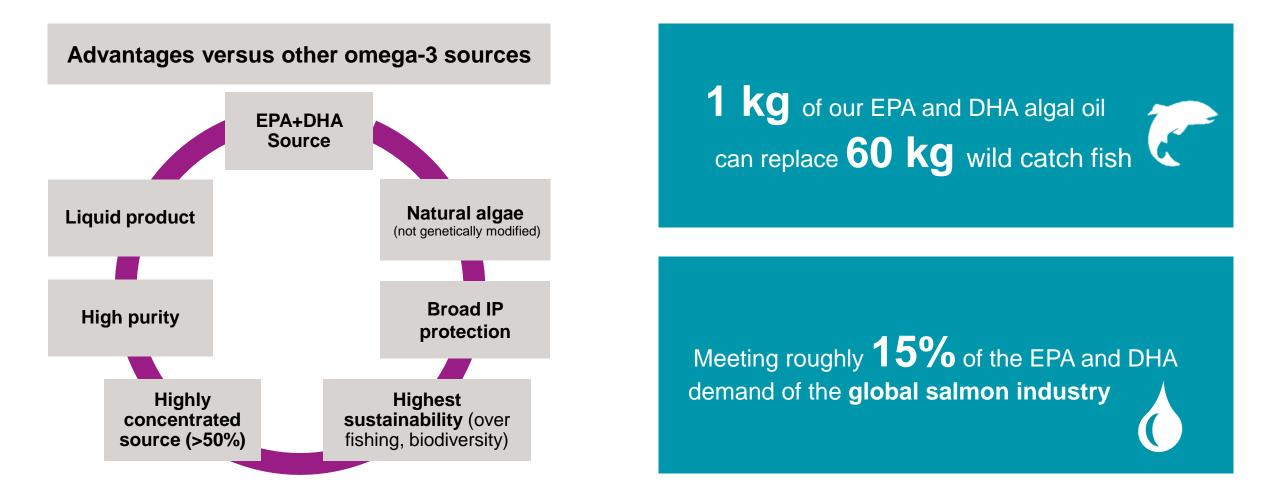
Growth Field Sustainable Nutrition Natural marine algal oil is a sustainable alternative solution for omega-3 fatty acids used in aquacultures



DSM and Evonik breakthrough – shortening the natural food chain



Growth Field Sustainable Nutrition Algal oil as a high-quality source of omega-3 for the use in animal nutrition has many advantages





DSM and Evonik establish joint venture

- DSM and Evonik to found a 50:50 joint venture to be named Veramaris[™], headquartered in The Netherlands
- Joint venture for high value omega-3 fatty acid products rich in EPA and DHA for animal nutrition produced from natural marine algae
- Joint venture's capital expenditure in the facility will amount to around US\$ 200 million over the next 2 – 3 years
- Facility is scheduled to open in 2019
- New facility will be built in the United States, at an existing site of Evonik
- Global aquaculture production growth is 5-6% per year with high increasing requirements in fish oil





Spotlight Comfort & Insulation

Leading supplier of specialty additives for the PU-industry

Strategic Objective:

Further strengthen position as the leading supplier of enabling additives for the PU-industry

- Polyurethane is a versatile material with annual growth rates of 5-6%
- Evonik is the global No.1 in silicone stabilizers for PU-foams
- Acquisition of Air Products-PMD business expands product portfolio in the area of PU-catalysts



Business Line Comfort & Insulation **Comfort & Insulation at a glance** Prime partner for Polyurethane (PU) foam additives

Business Model

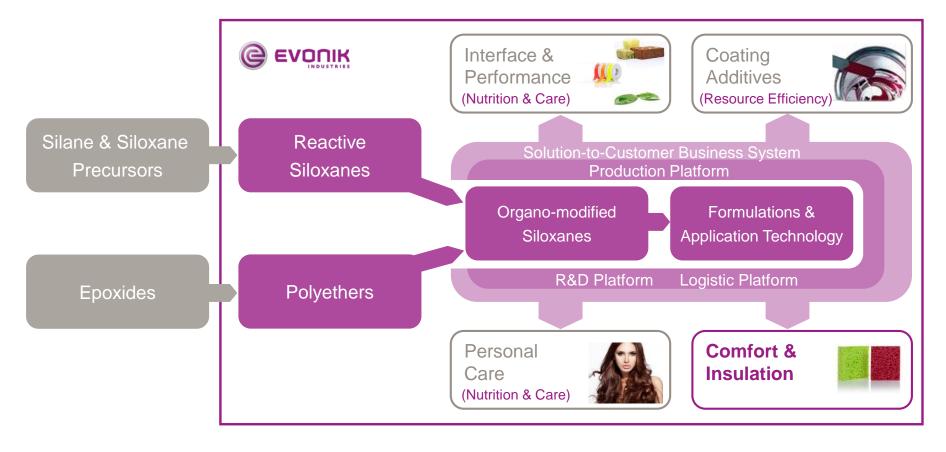
- Global strategic partner of key customers with production in all major regions
- Differentiation by quality, product development, application technology and superior logistics





Business Line Comfort & Insulation **Strong technology base** Silicone platform for unique and individual products at attractive economies of scale

Comfort & Insulation embedded in Evonik's **ORGANO SILICONE PLATFORM** that feeds four Evonik Business Lines





Evonik Nutrition & Care

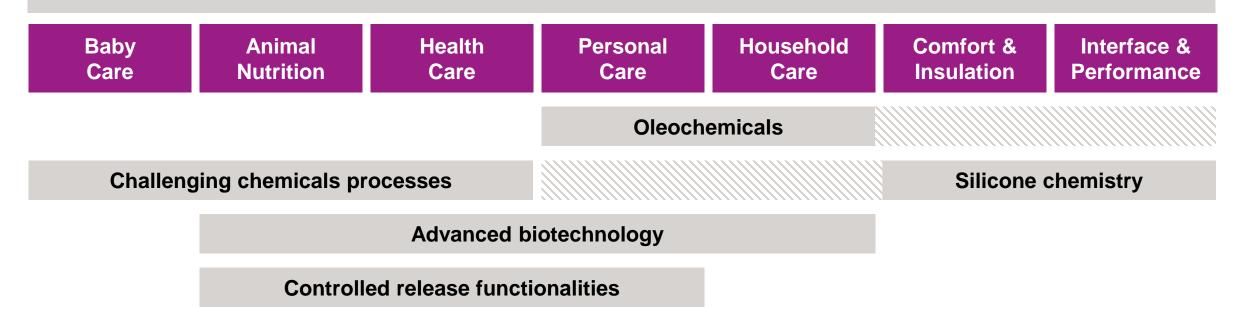
Much more than Methionine and Baby Care





Shared technology platforms to create innovative solutions for our customers

Shared technology platforms of Nutrition & Care are enabling for >90% of sales
We are the home of strong technology platforms
We create extraordinary solutions from a huge and diverse skill-set
We enable our customers for differentiating solutions in their markets





Segment strategy Growth strategy based on three strong pillars

Organic growth projects



Specialty Silicones

Groundbreaking Shanghai, March 2016

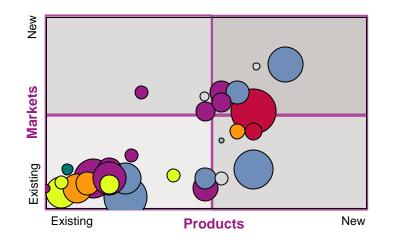


New Lysine plant Start-up Parana (Brazil), July 2016



Groundbreaking Singapore, October 2016

Methionine



Innovation

- Strong pipeline of innovation projects
- Focus on four innovation Growth Fields

Bolt-on acquisitions



MedPalett AS, Norway Advanced Food Ingredients

ECOBIOL[®]

Norel Probiotics, Spain Sustainable Nutrition



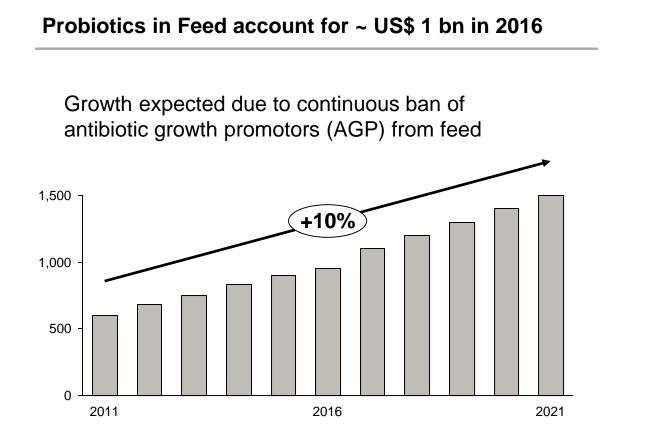
drstraetmans

Transferra Nanosciences, Canada Healthcare Solutions

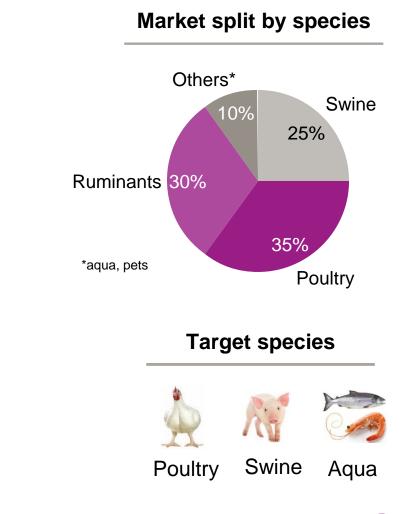
Dr. Straetmans, Germany Cosmetic Solutions



Growth Field Sustainable Nutrition **Probiotics: Driving sustainable nutrition beyond amino acids** Significant market potential and attractive growth rates



Sources: marketsandmarkets,





Growth Field Sustainable Nutrition **Probiotics: Driving sustainable nutrition beyond amino acids** Newly acquired and own developed probiotics promote use of less antibiotics

Product portfolio acquired from NOREL S. A. in July 2016

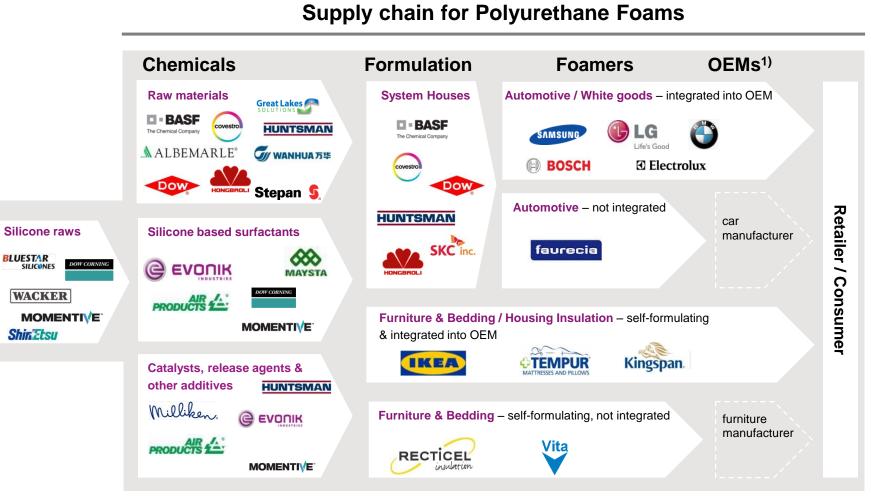
PRODUCTS	DESCRIPTION	SPECIES	PRESENT MILESTONES
Ecobiol®	ECOBIOL [®] (AQUA) contains a <i>Bacillus</i> <i>amyloliquefaciens</i> strain which is able to positively modulate the intestinal microbial flora	Poultry	Introduction of Ecobiol [®] as new part of Evonik product portfolio in Asia South in March 2017 at VIV, Bangkok
		Aquaculture	
Fecinor®	FECINOR [®] contains an <i>Enterococcus faecium</i> strain that positively affects the intestinal balance	Swine	Presentation of Fecinor [®] at EuroTier in Hanover in November 2016

First own developed probiotic product by **Evonik**

PRODUCT	DESCRIPTION	SPECIES	PRESENT MILESTONES
GutCare [®] PY1	GutCare [®] contains a <i>Bacillus subtilis</i> strain that improves the overall conditions of the animals	Poultry	First launch of GutCare [®] in USA at IPPE in January 2017 Launch of GutCare [®] in China Feed show in April 2017



Comfort & Insulation is well positioned within a complex value chain



¹ Direct sales to customers

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