

## Press Kit Content

**In-Cosmetics 2007 provides Arkema with a showcase for its extensive range of cosmetics products under the name of Orgasol<sup>®</sup> and Oxynitrox<sup>®</sup>.**



**Arkema is launching a new grade in its cosmetic powders range:  
Orgasol<sup>®</sup> Caresse**

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**The Arkema's Orgasol<sup>®</sup> range for the cosmetic market**

*Copyright Arkema*



**A new European distribution network for Arkema's cosmetic  
powders**

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**Oxynitrox<sup>®</sup> S100, Arkema's oxidation catalyst for the development of  
perfumes and fragrances**

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## Arkema is launching a new grade in its cosmetic powders range: Orgasol<sup>®</sup> Caresse

Orgasol<sup>®</sup> Caresse has been designed by Arkema to answer the continued demand for innovation, especially for aqueous formulations (Oil in Water emulsions, gels). It has the right hydrophilic-hydrophobic balance to make its dispersion easy in water continuous formulations and to bring outstanding benefits in these types of formulations.

Visit us at Booth B51 and discover how to open the scope of senses for the skin care products in our new formulations.

You will be invited to test Orgasol<sup>®</sup> Caresse in an Anti-wrinkle Mousse: it imparts the formulation with a very unctuous and powdery texture, a combination of luxury and lightness. It leaves the feeling of a transparent protective cushion, along with providing the comfort and the instant efficiency expected by users.

Orgasol<sup>®</sup> Caresse provides as well outstanding soft focus, hiding the defects of the skin and helping to fight against years and stress. You will measure as well how Orgasol<sup>®</sup> Caresse can help formulators to combine comfort and efficiency for high SPF sun care formulations.

Arkema has developed a sun spray formulation to illustrate, that Orgasol<sup>®</sup> Caresse allows the lotion to be easily and quickly blended into the skin. Finally, it leaves an absolutely soft and silky finish, non greasy at all, reducing the perceived stickiness of sun filters.

Sure that even men will appreciate this new comfort in use of high protection sun care products!



Orgasol<sup>®</sup>  
Caresse



*A world-class chemical concern, Arkema combines three strategically related, integrated businesses: Vinyl Products, Industrial Chemicals and Performance Products. With operations in more than 40 countries and 17,000 employees, the company reported revenue of €5.7 billion. Leveraging six research centers in France, the United States and Japan and internationally recognized brands, Arkema holds leadership positions in each of its principal markets.*

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## The Arkema's Orgasol<sup>®</sup> range for the cosmetic market

Orgasol<sup>®</sup> is a range of ultrafine polyamide powders manufactured by polymerization of lauryl and caprolactam, using process additives exclusively of synthetic and vegetable origin. The singularity of the synthesis process gives them an extremely narrow particle size distribution, and ensures that both the structure and the morphology of Orgasol<sup>®</sup> powders are very different from those of ground powders.

Orgasol<sup>®</sup> ultrafine powders are essential to give your skin care and color cosmetics formulations a very soft touch. Thanks to the two nylons available, with different diameters and absorption properties on offer, the Orgasol<sup>®</sup> range can meet the wide-ranging expectations of the cosmetic market.

Grade	INCI name	Diameter	pH	Oil/Water Absorption	Specific Area	Bacteriology	Mycology
		µm		g / 100 g	m <sup>3</sup> / g	germs / g	germs / g
<b>2002 UD NAT COS</b>	<b>Nylon 12</b>	<b>5 (+/- 1.5)</b>	<b>6 - 7,5</b>	<b>104 / 0</b>	<b>9,5</b>	<b>&lt; 100</b>	<b>&lt; 100</b>
<b>2002 EXD NAT COS</b>		<b>10 (+/- 2)</b>		<b>79 / 0</b>	<b>4</b>		
<b>2002 D NAT COS</b>		<b>20 (+/- 3)</b>		<b>54 / 0</b>	<b>1,5</b>		
<b>1002 D NAT COS</b>	<b>Nylon 6</b>	<b>10 (+/- 2)</b>		<b>64 / 75</b>	<b>9</b>		

Orgasol<sup>®</sup> range is sold worldwide and meet the cosmetics market requirements:

- pH adapted to skin contact;
- guaranteed microbiological tests.

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*Press release*

**Communiqué de presse**

Arkema at In-Cosmetics 2007 – Hall 4 – Stand B51  
Paris – April 17<sup>th</sup> to 19<sup>th</sup>

## **A new European distribution network for Arkema's cosmetic powders**

**As part of the ongoing reorganization of its European distribution network for the cosmetics market in 2007, Arkema has selected two companies to market its Orgasol<sup>®</sup> and Rilsan<sup>®</sup> cosmetics powders:**

- **LASERSON in France and Monaco,**
- **CODIBEL distribution in Belgium, Netherlands and Luxembourg**

Those companies have been chosen for their skilled technical sales teams, their unique marketing approach and the quality of their customer service. They will be Arkema's ideal partner in developing new formulation as well as exploring new applications from the Orgasol<sup>®</sup> and Rilsan<sup>®</sup> product ranges.

With those new distributors who specialize in beauty and well being, Arkema confirms its commitment to improving its commercial package for its customers in the cosmetics industry while remaining attentive to their needs.

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## **Oxynitrox<sup>®</sup> S100, Arkema's oxidation catalyst for the development of perfumes and fragrances**

**Eager to fulfill market requirements for the development of new perfume and fragrance formulations, Arkema has developed Oxynitrox<sup>®</sup> S100, an organic oxidation catalyst enabling controlled access to aldehyde structures. Additionally, this oxidation catalyst fulfills the requirements of modern chemistry which makes environmental protection a priority.**

The Oxynitrox<sup>®</sup> S100 catalyst offers countless prospects for perfume and fragrance manufacture, in particular with its capacity to steer the selective oxidation of primary alcohols into aldehydes. Its thorough selectivity and controlled conditions of use allow the development of many aldehyde structures, in particular those containing unsaturations.

Oxynitrox<sup>®</sup> S100 contains no metallic element, but proves as effective as other traditional metallic oxidation catalysts based on ruthenium, molybdenum, silver or cerium. Oxynitrox<sup>®</sup> S100 has the chemical structure of a nitroxide type polymer, and its development is a logical reflection of Arkema's desire to offer a comprehensive technological platform based on nitroxyl radicals and their applications. Its specific polymer structure makes it recyclable. It is easy to separate from the other reaction products, and can perform in consecutive oxidation reactions without losing any of its efficacy. Oxynitrox<sup>®</sup> S100 also affords savings in energy consumption as it enables optimum performance at ambient temperature.

Oxynitrox<sup>®</sup> S100 has already been successfully tested in the oxidation of various alcohols such as octanol-1, octanol-2, cyclo-octanol, 1-phenyl ethanol, benzyl alcohol, and in particular oleyl alcohol.

Oxynitrox<sup>®</sup> S100 is produced industrially using a patented process.

*Oxynitrox<sup>®</sup>* is a registered trademark of the Arkema Group. [info.oxynitrox@arkema.com](mailto:info.oxynitrox@arkema.com)

**Oxynitrox<sup>®</sup> S100 will be presented at the In Cosmetics tradeshow in Paris in April 2007, and will also be the subject of an oral presentation at the « Innovation Seminars » on April 18th 2007.**

*A global chemical player, Arkema consists of 3 coherent and related business segments: Vinyl Products, Industrial Chemicals, and Performance Products. Present in over 40 countries with 17,000 employees, Arkema achieved sales of 5.7 billion euros. With its 6 research centers in France, the United States and Japan, and internationally recognized brands, Arkema holds leadership positions in its principal markets.*

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