



**Announcing the World's
Most Valuable Controlled
Release Alliance**



Controlled Release Products, Technologies, and Logistic Capabilities from Two World-Class Partners



No other supplier team is better equipped to help you design and speed your controlled release product to market



The Dow Chemical Company and Colorcon, Inc. have formed a global Controlled Release Alliance that gives you more resources than ever to accelerate your pharmaceutical product development efforts and reach markets throughout the world. The alliance includes the exclusive global distribution rights for Dow Excipients, including ETHOCEL™ Ethylcellulose polymers, METHOCEL™ High Viscosity Hypromellose polymers, and POLYOX™ Poly(ethylene oxide) resins.

hands of Colorcon, an acknowledged world leader in application development support and product logistics. At the same time, it will allow Dow to place even more focus on developing new controlled release excipient products and drug delivery technologies.



Rely on Colorcon for Worldwide Application Development and Local Technical Support

Colorcon is a global company that develops, markets, and supports fully-formulated film coatings and specialty excipients for the pharmaceutical industry. Our core business is the design and technical support of advanced pharmaceutical dosage forms for immediate, controlled and enteric release applications. In partnership with Dow, we will offer an enhanced portfolio of

This alliance extends the business relationship between Dow and Colorcon that began in the 1970's. It places technical and customer service in the



™Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

controlled release application expertise to find ideal solutions to customer needs and speed their products to market.

No matter where you formulate or manufacture in the world, you can rely on Colorcon for applications support and local product supply. We maintain locations throughout North America, Europe, South and Central America and Asia. These include 17 local technical laboratories, dedicated controlled release expertise in all regions and 14 strategically located distribution centers. See the back cover of this brochure for the location nearest to you.

Dow's Role: Increasing Pipeline Capacity for New Excipient Technologies

From Dow's perspective, this alliance will help us better address customer needs for value-added service throughout the world in controlled release and other pharmaceutical applications. At the same time, it frees our growing arsenal of intellectual capital and people resources to do what it does best: develop improved and new technologies to enhance performance during pharmaceutical manufacturing, distribution, and use.

We will use our more focused way of doing business to develop new generation controlled release polymers as well as expand the list of enabling technologies we have already developed for the pharmaceutical industry, such as:

- Foamed binder granulation technology with METHOCEL™ Hypromellose that speeds processing and yields more uniform properties
- Melt extrusion and melt coating technology with POLYOX™ Water-Soluble Resins NF
- Oral delivery films based on ETHOCEL™, METHOCEL™, and POLYOX™ Excipients
- The use of METHOCEL™ polymers in hard-shell capsules

A Brief Look at the Controlled Release Alliance Products and Technologies

ETHOCEL™, METHOCEL™ and POLYOX™ polymers offer an outstanding range of controlled release properties for a wide variety of dosage forms and processing methods. Many variations in molecular weights and chemical substitutions give you multiple ways to optimize formulation performance. These Dow polymers complement Colorcon's fully formulated products, applications data and global technical service and logistics infrastructure to add unique value to the pharmaceutical customer.

ETHOCEL™ Premium Ethylcellulose polymers are organosoluble excipients used in controlled release dosage forms including barrier membrane applications for multiparticulate formulations. Colorcon's **SURELEASE®** product line are fully formulated aqueous ethylcellulose dispersions, based on ETHOCEL™ polymers, giving the pharmaceutical formulator optimum flexibility in choosing a barrier membrane. Ethylcellulose polymers are also used as granulation binders, film formers and in taste masking.

METHOCEL™ Premium Hypromellose high viscosity polymers are primarily used in controlled release matrix systems. Colorcon's **HyperStart®** modeling service provides a starting formulation for most actives, saving the pharmaceutical formulator valuable development time and complementing the METHOCEL™ product range. METHOCEL™ polymers also perform in oral films, liquid systems, extrusion and other technologies.

POLYOX™ Water-Soluble Resins NF are hydrophilic excipients used in controlled release matrix systems and osmotic applications. POLYOX™ polymers are also used in tablet binding, tablet coatings, transdermal drug delivery systems and mucosal bioadhesives.



Doing Business with the Global Controlled Release Alliance

Details of the Alliance by Region

In the United States and Canada, Colorcon will become the sole distributor of ETHOCEL™ and POLYOX™ Excipients for all pharmaceutical applications and the sole supplier for METHOCEL™ products in controlled release applications. METHOCEL™ products for other pharmaceutical applications will remain available through other Dow distributor partners.

In Europe, Asia, and Latin America, Colorcon becomes the sole distributor for all Dow excipient polymers in all pharmaceutical applications. Previously, Colorcon was not involved in the sales of POLYOX™ products in these markets. In Japan, Colorcon will assume exclusive distributor status for POLYOX™ products immediately, and for ETHOCEL™ and METHOCEL™ products beginning in 2010.

The Global Reach of Colorcon's Distribution and Technical Service Organization

United States and Territories

| | |
|----------------------|------------|
| West Point, PA | M, D, T, S |
| Santa Ana, CA | D, T, S |
| Indianapolis, IN* | M, D |
| Humacao, Puerto Rico | M, D |

Europe

| | |
|--------------------|------------|
| Dartford, Kent, UK | M, D, T, S |
| Bougival, France | T, S |
| Idstein, Germany | T, S |
| Gallarate, Italy | T, S |
| Budapest, Hungary | T, S |
| Istanbul, Turkey | T, S |
| Barcelona, Spain | T, S |
| Moscow, Russia | T, S |

Asia-Pacific

| | |
|---------------------------|------------|
| Singapore | D, S |
| Fuji-Gun, Shizuoka, Japan | M, D, S |
| Shanghai, China | M, D, T, S |
| Goa, India | M, D, T, S |
| Seoul, Korea | T, S |

Latin America

| | |
|-------------------------|------------|
| Buenos Aires, Argentina | D, T, S |
| Cotia, Brasil | M, D, T, S |
| Bogota, Colombia | D, T, S |
| Caracas, Venezuela | D, S |
| Santa Fe, Mexico | D, T, S |

Key:

| | |
|---|------------------------------|
| M | Manufacturing |
| D | Distribution |
| T | Technical Service Laboratory |
| S | Sales |

*Manufacturing for Controlled Release Products



The Dow Chemical Company

100 Larkin Center
Midland, Michigan, 48674
USA
Tel: 1-800-447-4369
Fax: 989-832-1465
www.dowexcipients.com



Colorcon, Inc.

World Headquarters
415 Moyer Boulevard
West Point, Pennsylvania, 19486
USA
Tel: 215-699-7733
Fax: 215-661-2605
Email: modified_release@colorcon.com
www.colorcon.com



NOTICE: No freedom from any patent owned by Seller or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Seller assumes no obligation or liability for the information in this document. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.