

# Surelease<sup>®</sup>

Ethylcellulose Dispersion Type B NF



Extended release aqueous coating systems utilizing ethylcellulose as the rate controlling polymer for drug release.



**Colorcon<sup>®</sup>**

Working Together for a Healthier World

# Surelease<sup>®</sup>

Ethylcellulose Dispersion Type B NF

## Drug release by diffusion through insoluble permeable membrane

The principal means of drug release is by diffusion through the Surelease membrane and is directly controlled by film thickness. Simply increasing or decreasing the applied quantity of Surelease modifies the rate of drug release. Surelease provides consistent uniform drug release, which is independent of pH.

Surelease was developed for the extended release coating of multiparticulates. Drug particles coated with Surelease have also been successfully compressed into tablets. Line extensions offer enhanced stability over time, improved reproducibility and extended shelf life (24 months).

## Time Savings in Development and Production

- Totally aqueous dispersion, fully plasticized formulation
- Easy adjustment of release profile to meet specific needs
- Eliminates the use of and exposure to organic solvents; no need for costly solvent recovery

## Safe to Use

- Components meet the requirements of the major pharmacopoeia
- Registered product approvals around the world

## Proven Performance and Scalability

- Process optimization ensures the coating is fully coalesced, eliminating the need for a curing step
- Consistent results from lab development through scale-up to production
- Simple one-step process; fluid bed coating is the preferred technique

## Colorcon Applications and Technical Support

- Coating optimization for granules, pellets, beads and drug particles
- Fluid bed, wet granulation and extrusion/spherization pilot capabilities
- Starting formulations available for many actives



Full supporting product and applications literature is available through the Colorcon website.

## Deliver high-performance products — with Colorcon

Choose Colorcon, leader in pharmaceutical solid oral dose solutions, as a formulation partner in every phase of your product development. Our solution capabilities originate from two main areas of expertise:

### Formulation Technologies:

- Full range of functional excipients
- Technologies for development and production of delayed/enteric release and extended/controlled release tablets and multiparticulates
- HyperStart<sup>®</sup> service and extensive applications data to provide starting formulations to save you development time and money
- Extensive formulation know-how and technical support to achieve the exact drug release profile desired

### Film Coatings:

- Optimized formulations specifically for your application and regulatory needs including customized colors and color matching
- Innovative products for mechanical integrity, gloss, pearlescence, and environmental protection
- Brand enhancement concepts, consulting and services to build a strong brand image and stand out from the competition

From formulation and tablet design through product differentiation and branding, Colorcon gives you everything you need to deliver high-performance products.

Contact your Colorcon representative or call:

**North America**  
+1-215-699-7733

**Europe/Middle East/Africa**  
+44-(0)-1322-293000

**Latin America**  
+54-11-5556-7700

**India**  
+91-832-6727373

**China**  
+86-21-61982300

[www.colorcon.com](http://www.colorcon.com)

