

'TWIST-OFF' ORAL & TOPICAL TECHNOLOGY

100% Plant-based Unit Dose Capsules for the OTC Market

As the leading innovator of softgel technology, we're introducing our plant-based unit dose delivery capsules with oral and topical applications for the OTC industry. These innovative twist-off capsules are derived from carrageenan, a seaweed extract. They are a hassle-free alternative to messy topical applications such as creams and ointments. Plus, as a unit dose they are an ideal substitute for existing oral dosage forms such as syrups that can be bulky/difficult to measure and powders that require liquid for reconstitution.

Whether you are looking for an easy way to take oral forms to help improve compliance, a non-messy topical application, or a dose form that maintains product integrity and effectiveness with every use, this delivery system offers many applications across OTC segments.

OPTIMAL SOLUTION FOR MULTIPLE ORAL CATEGORIES:

ANALGESICS
ALLERGY
DIGESTIVE

OPTIMAL SOLUTION FOR MULTIPLE TOPICAL CATEGORIES:

INFANT/TODDLER SKINCARE
ANALGESICS
COUGH & COLD (INHALANTS/RUBS)
SKIN ALLERGY
ANTISEPTICS

Key Benefits

Twist-Off Capsule Technical Advantages:

ORAL

- Pre-measured dosing provides better dosage accuracy for liquids vs. bottles
- Unit dose maintains product integrity by eliminating possible contamination with repeat use
- Helps improve compliance, delivers difficult active ingredients without water
- Helps protect products sensitive to light for improved stability versus conventional dose forms
- Resistance to higher humidity/temperature helps maintain stability at variable conditions



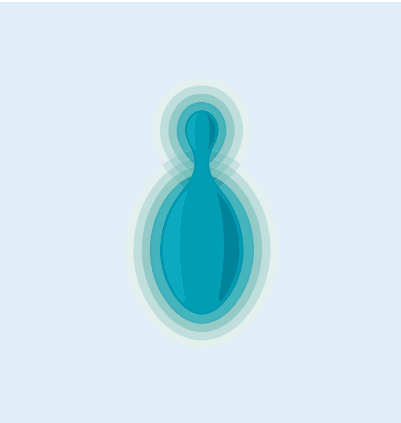
DEVELOPMENT



DELIVERY



SUPPLY



EASY TO USE

STEP 1 Gently hold the capsule.



STEP 2 Twist off the top of the capsule to open.



STEP 3 Separate the upper and lower parts of the capsule.



TOPICAL

- Accurate, pre-measured dosing for optimal effectiveness
- Unit dose allows targeted application of accurate dose with every use
- Delivers anhydrous formulas that helps protect against from microbial
- Helps avoid use of preservatives that are needed for multi-use containers
- Helps protect products sensitive to light for improved stability versus conventional dose forms

Twist-Off Capsule Consumer Benefits

ORAL

- 100% animal free, plant-based shell
- Portable, spill proof & great for on-the-go
- Easy to twist-off, improves compliance, especially pediatric and geriatric
- Flexible Dosing – take directly or as food additive
- Custom shapes, sizes, colors and printing options

TOPICAL

- 100% plant-based, biodegradable shell, environmentally friendly
- No messy tubes to clean up or risk of product contamination
- Easy to use, twist-off tip and apply directly to skin
- Innovative delivery form for better consumer experience
- Portable, convenient unit dose capsules are great for on-the-go and travel
- Custom shapes, sizes, colors and printing options

Find out how we can help expand your offerings with Twist-Off technology for oral & topical OTC applications!

more products.
better treatments.
reliably supplied.™

Discover more solutions at consumerhealth.catalent.com

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