

# BARRIER IMPROVEMENT ACROSS HDPE BOTTLE APPLICATIONS

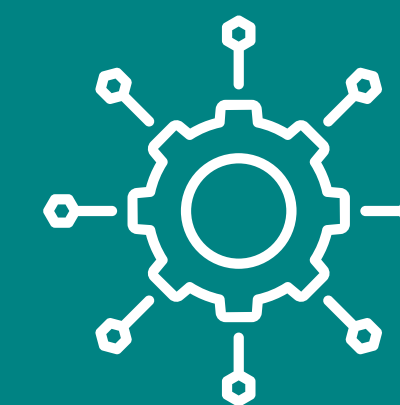
## KEY BENEFITS



Non-PFAS



No Secondary Processing



Broad Solvent Coverage



Enhances Label Adhesion

Drop-in Solution



Works with Standard HDPE



HDPE



Reduces Paneling and Improves Shelf Life

## Cesa™ Solvent Barrier Technology

Cesa™ Solvent Barrier Technology for HDPE barrier performance in monolayer extrusion blow molded bottles—helping prevent container paneling, maintain label adhesion, and extend shelf life for personal care, household, automotive care, and home and garden products.

With no specialized equipment required and performance at a 12–20% let-down ratio, this blended barrier additive technology significantly reduces reagent permeation and helps maintain package integrity and product performance.

## BARRIER PERFORMANCE Compared with HDPE Alone

**10x**  
barrier improvement over HDPE

Improved ► ► ► Greatly Improved ► ► ► Most Improved

### ACETONE

Nail Polish Removers  
Heavy-Duty Cleaners



### TOLUENE

Pesticides  
Automotive Care  
Hair Color



### MINERAL SPIRITS

Paint Thinners  
Adhesive Removers



### TETRAHYDROFURAN

Paints/Inks  
Degreasers



### EUCALYPTOL

Mouthwash  
Minty/Cooling Products



### D-LIMONENE

Lemon Products



1.844.4AVIENT  
www.avient.com

Barrier performance can vary depending on shape, size, and thickness of final product.