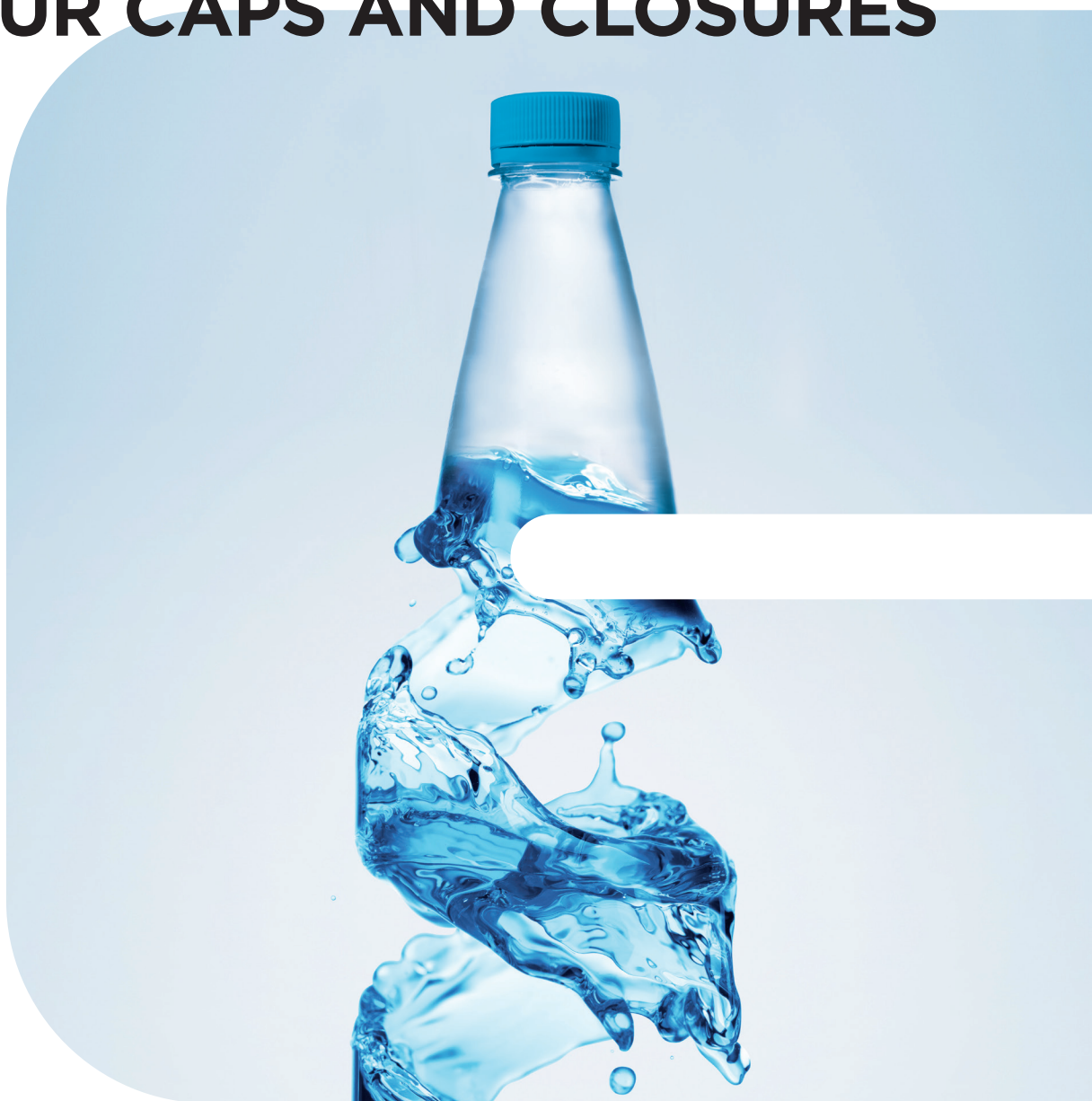




CLARIANT 

HiFormer[®] **LIQUID EXCELLENCE TO POWER YOUR CAPS AND CLOSURES**



what is precious to you?





Brilliant Color, Flexibility and Reduced Cost in Caps and Closures

HIFORMER[®] LIQUID MASTERBATCHES SYSTEM

CLARIANT 

The HiFormer[®] liquid masterbatches system brings a host of advantages to the coloration of plastic caps and closures for the packaging market. Bright, vibrant color shines through, especially in translucent and transparent polymers, and processing efficiencies deliver high productivity at a low total cost.

The latest liquid masterbatches carrier technology from Clariant is allowing wider use of liquid color and additive concentrates in caps and closures. With its tailored carrier technology and customized dosing- and- handling systems HiFormer[®] opens up new dimensions for the manufacturing of plastic caps and closures: Fast and simple colors changes, maximum flexibility and high reproducibility of the defined color.

In addition to the improved efficiency of the manufacturing process, the liquid masterbatches are highly concentrated, so that you can use less and still achieve brilliant, vibrant hues.

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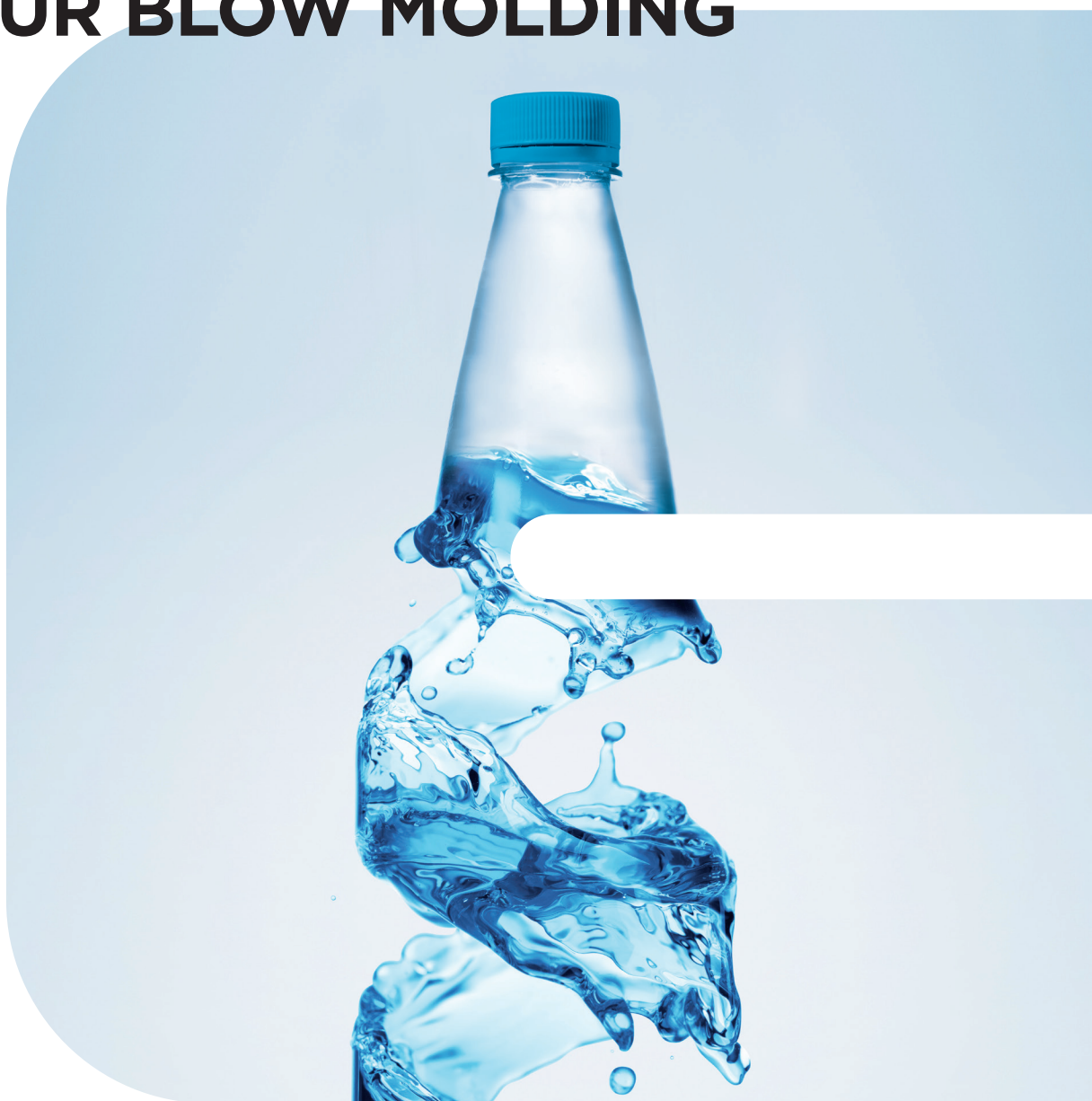
WWW.MASTERBATCHES.CLARIANT.COM





CLARIANT 

HiFormer[®] **LIQUID EXCELLENCE TO POWER YOUR BLOW MOLDING**



what is precious to you?





Increased Productivity and Brilliant Color in Blow Molding

HIFORMER® LIQUID MASTERBATCHES SYSTEM

CLARIANT 

Extrusion blow molders and brand owners in the personal care, household and industrial packaging markets find the HiFormer® liquid masterbatches system offers significant advantages, including vivid color development and increased manufacturing efficiency.

The newest carrier developments from Clariant are driving wider use of liquid color and additive concentrates in extrusion blow molding of polyolefins. Exhaustive testing in monolayer packaging shows that these highly compatible systems allow for high pigment loadings and low usage rates, while developing deep and brilliant colors and special effects.

At the same time, the high-performance carrier systems practically eliminate past challenges related to screw slippage, while actually helping to improve productivity. Low processing temperatures reduce cooling requirements and shorten overall cycle time. Color changes can be made quickly thanks to the characteristics of the carrier technology and a range of easy-to-use dosing equipment. Improved resin compatibility results in strong weld lines in the finished packaging as evidenced by scores in standard burst and compression-loading tests.

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