

# Development of PHBH™ Based Marine Biodegradable Applications

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Presentation: Tuesday, 19 June 2018, 12.00

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**Abstract:** By developing its originated fermentation and macromolecular technologies, Kaneka has developed its Biodegradable Polymer PHBH™ (poly((R)-3-hydroxybutyrate-co-(R)-3-hydroxyhexanoate) on industrial scale. Micro-organisms available in nature, such as in soil, ocean and river waters, convert the polymer PHBH into water and carbon dioxide. This opens perspectives for applications whereby the environmental impact due to leakage will be reduced by the biodegradation of the material.

Within this presentation, examples of marine biodegradable applications will be discussed. Also, test results on the behavior of PHBH within seawater will be shown, focusing on disintegration and stability of the material.

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**Biopolymer – Processing & Moulding**  
**19 / 20 June 2018, Halle Messe**  
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