

# CHT

SMART CHEMISTRY  
WITH CHARACTER.



## BIOLAY

NEW NATURAL GREASE & OIL BARRIER

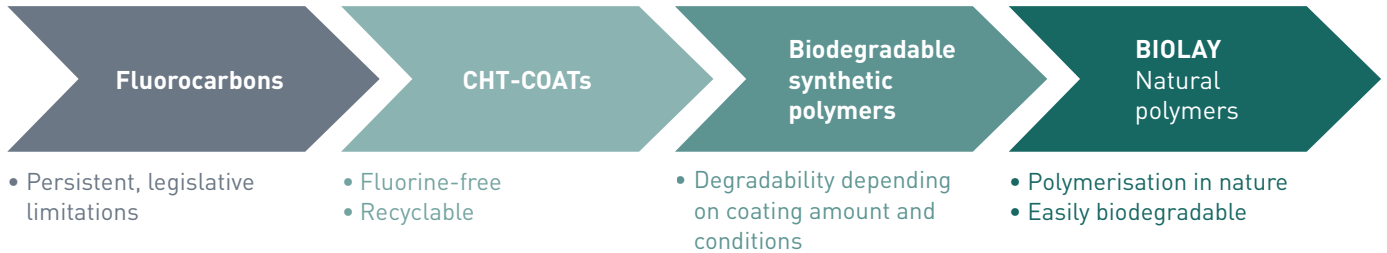
[www.cht.com](http://www.cht.com)

# BIOLAY

## New natural grease & oil barrier

The CHT Group presents BIOLAY: New barrier formulations based on 100 % natural polymers grown in nature. Guaranteed without any compounds from fossil sources and of course fluorine-free. Grease-repellent solely through the power of nature. We certify the share of bio-based carbon by <sup>14</sup>C radiocarbon measurements (ASTM D6866).

### The evolution of grease and oil barrier coatings



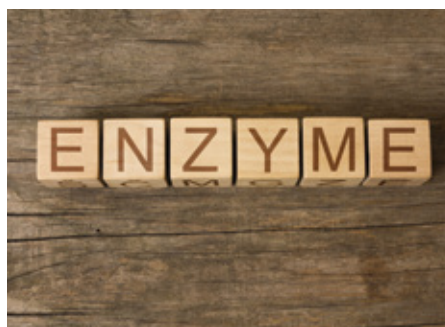
Since the Single Use Plastics Directive EU 2019/904 came into force, certain disposable packaging materials have been subject to mandatory labeling or have been banned altogether. Against this background, CHT initiated the new development of innovative barrier formulations against fats and oils. The latest generation of barrier products now completely eliminates the use of synthetically produced compounds. In contrast to all previous coating generations, BIOLAY is 100% based on natural polymers and therefore completely biodegradable and free from microplastics. The aqueous solutions of BIOLAY powder products can be applied with standard coating equipment such as e.g. size or film press and achieve excellent natural grease & oil barrier properties.

	BIOLAY 100	BIOLAY 500	+ NATIVE CHT-COAT WAX
<b>Ionic Character</b>	non-ionic	weakly anionic	
<b>Viscosity of 10 % RT, 100 rpm [mPa-s]</b>	max. 100	max. 250	max. 250
<b>KIT</b>	●●	●●	●●
<b>HVTR</b>	●●	●●	●●
<b>OTR</b>	-	●	●
<b>COBB</b>	●	-	●●

### CHT technologies for a sustainable paper production



Hydrophobicity  
CHT-COAT WAXES



Biorefining  
Quimizime/ZIAX



Natural grease barrier  
BIOLAY