

CHT

SMART CHEMISTRY
WITH CHARACTER.



PLANT-
BASED
BARRIER



SUSTAIN
YOU HAVE THE
ABILITY

BIOLAY

PLANT-BASED GREASE & OIL BARRIER

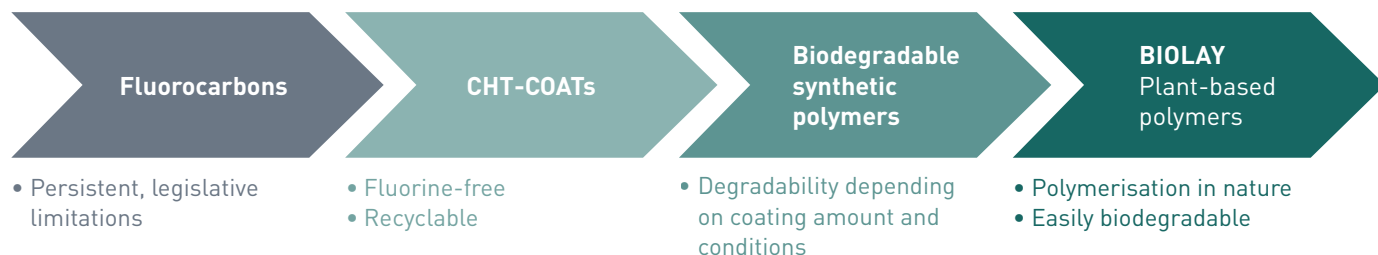
www.cht.com

BIOLAY

Plant-based grease & oil barrier

The CHT Group presents BIOLAY: New plant-based barrier formulations. Grease-repellent through the power of nature and of course fluorine-free. We certify the share of bio-based carbon by ¹⁴C 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 is plantbased and readily biodegradable and does not generate microplastics. The aqueous solutions of BIOLAY powder products can be applied with standard coating equipment such as size or film press and achieve excellent grease & oil barrier properties.

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

More CHT solutions for a sustainable paper production



Hydrophobicity
CHT-COAT WAXES



Biorefining
Quimizime/ZIAX



Plant-based grease and oil barrier
BIOLAY