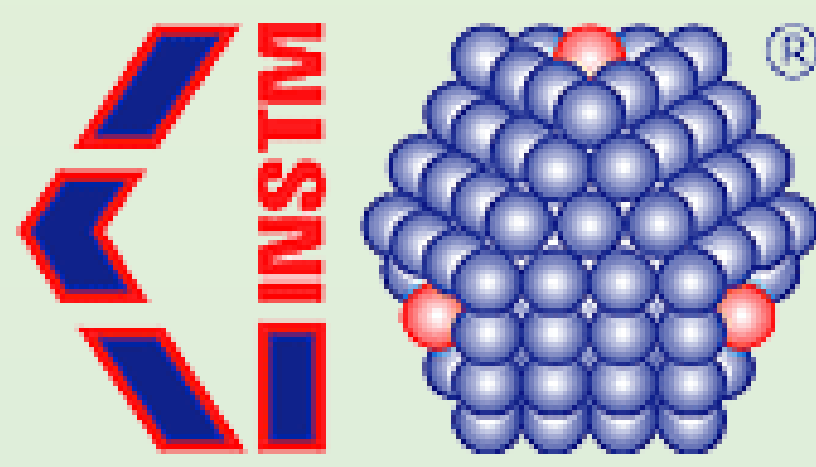




Horizon 2020
European Union Funding
for Research & Innovation

Bio-based Industries
Consortium

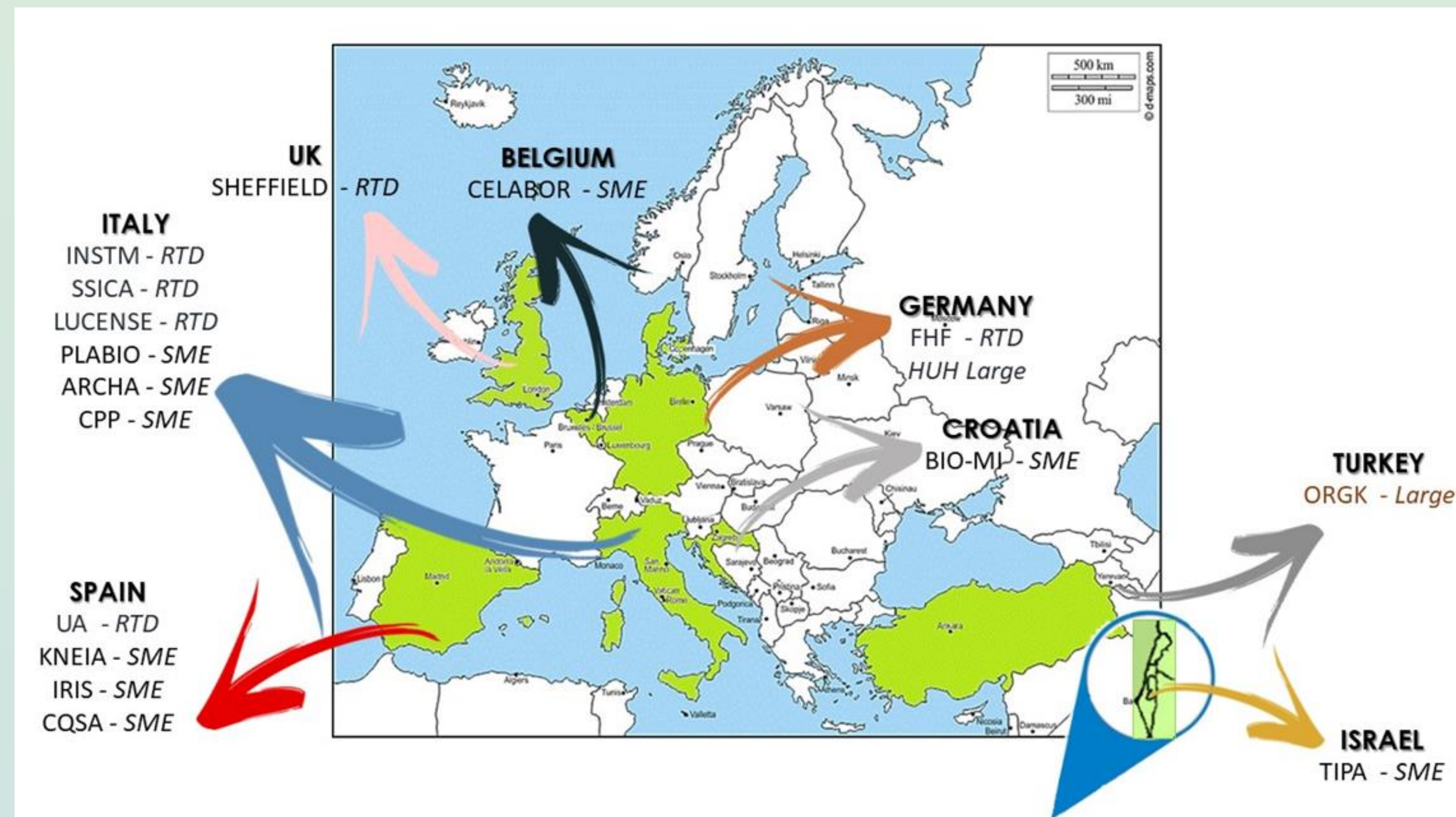


ecofunco

ECO sustainable multiFUNctional COATings with enhanced performance and end life options.

Introduction

The aim of ECOFUNCO project is the selection, extraction and functionalization of low price and highly available molecules from agro-food by-products, to develop innovative coating for paper and bioplastic packaging.



PERSONAL CARE

Antimicrobial – antioxidant coatings based on chitin nanofibrils and/ or chitosan with bioactive compounds.

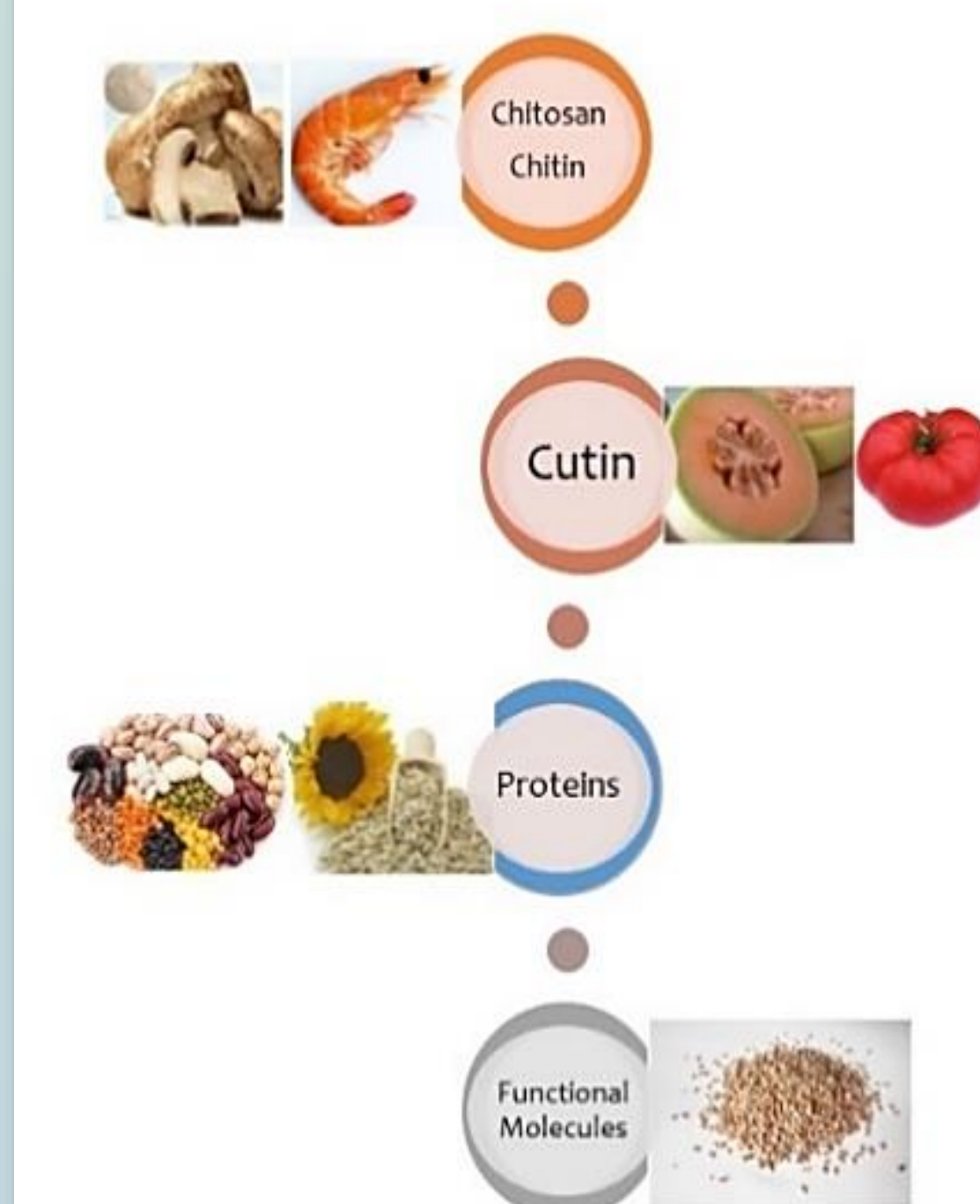
DISPOSABLE PRODUCTS

Water and grease repellent coating based on cutin formulation.

MULTILAYER PACKAGES

Oxygen water vapour barrier and layer adhesive based on proteins.

Food and Agro Discarded Biomass



Plastic and Cellulose +

ecofunco

Replace petro,
hardly recyclable items

PERSONAL CARE

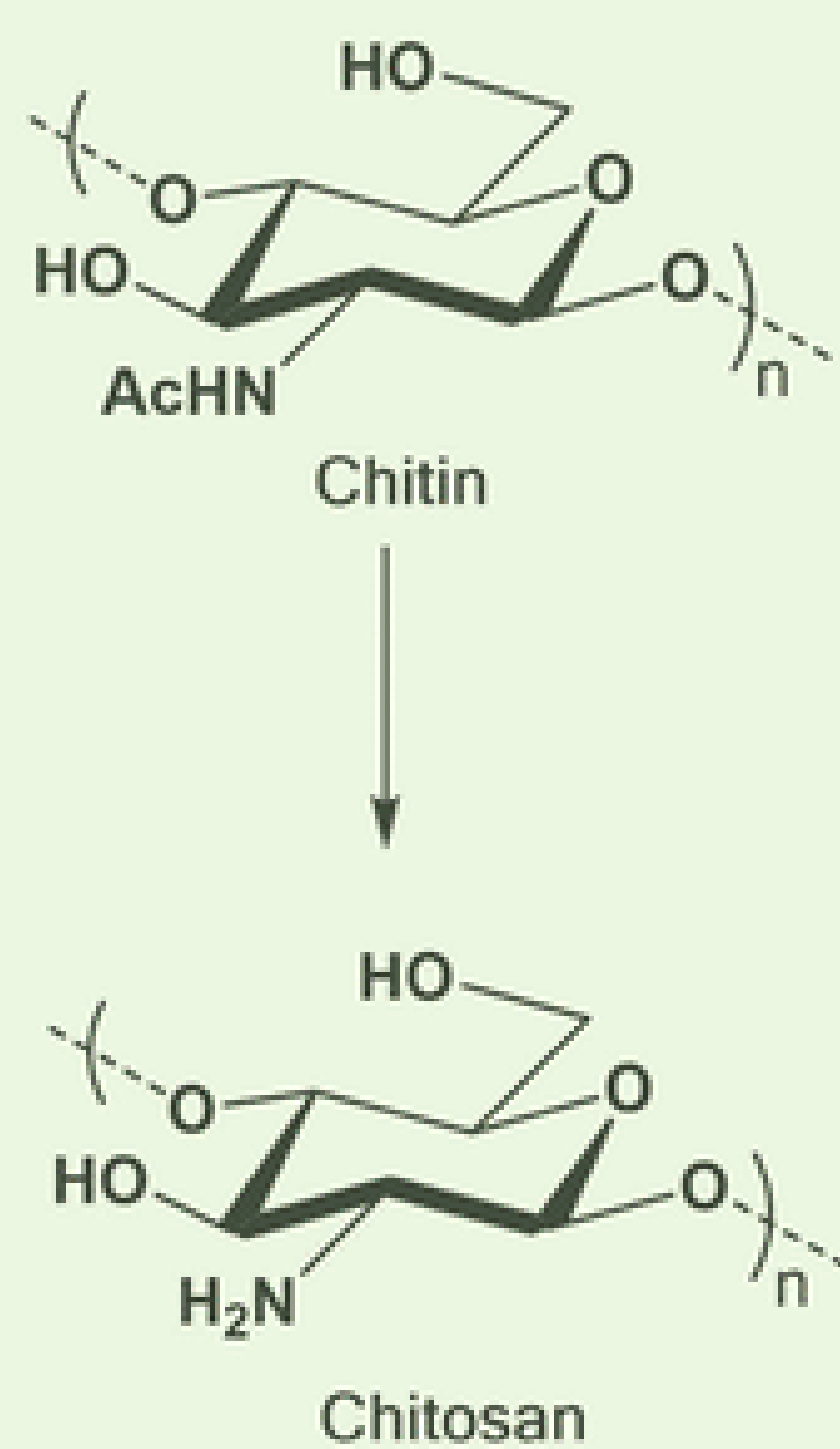
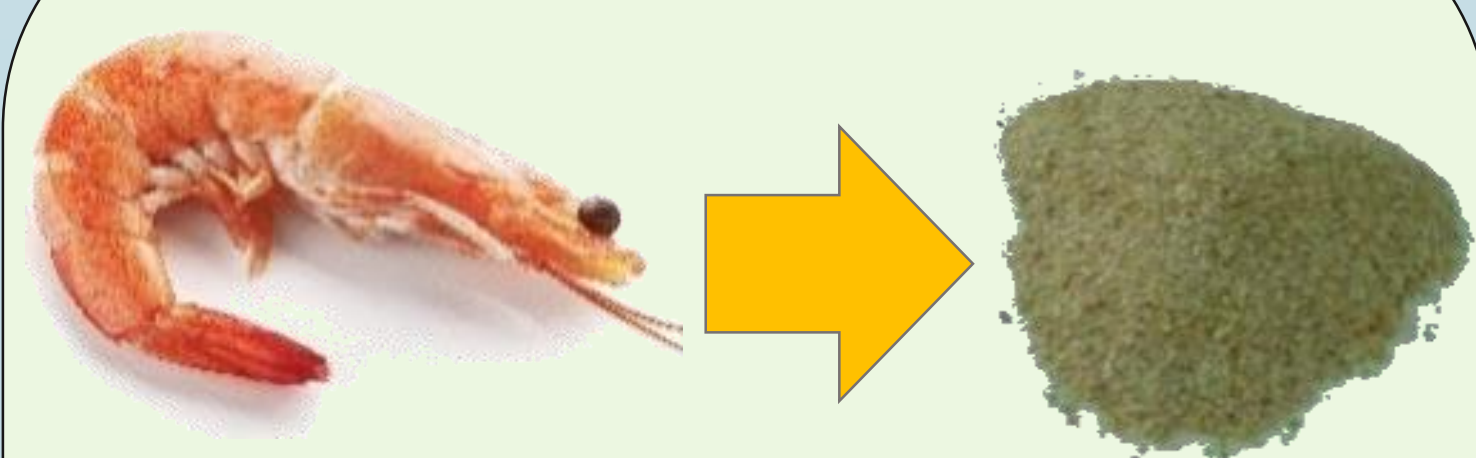
Anti-Microbial,
Anti oxidant

DISPOSABLE PRODUCTS

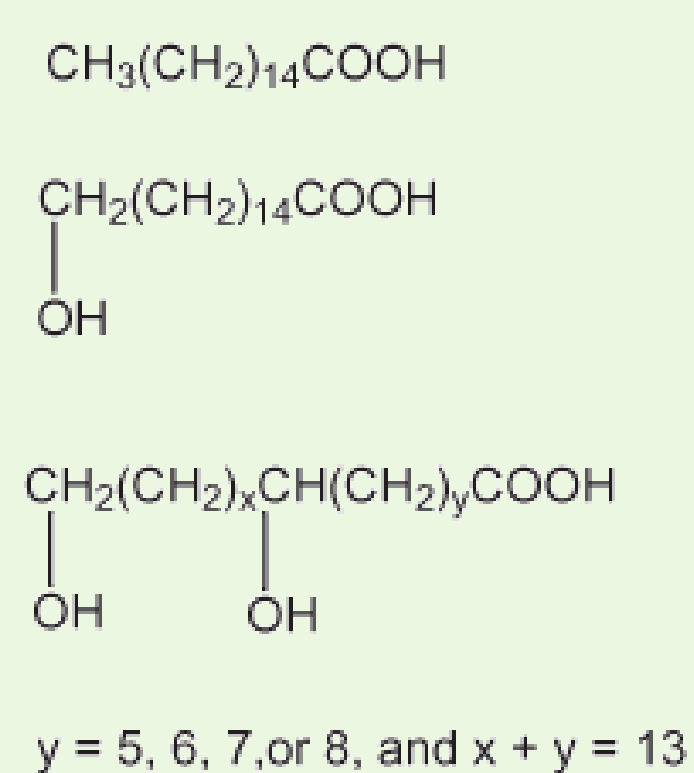
Barrier to water and grease

MULTILAYER PACKAGES

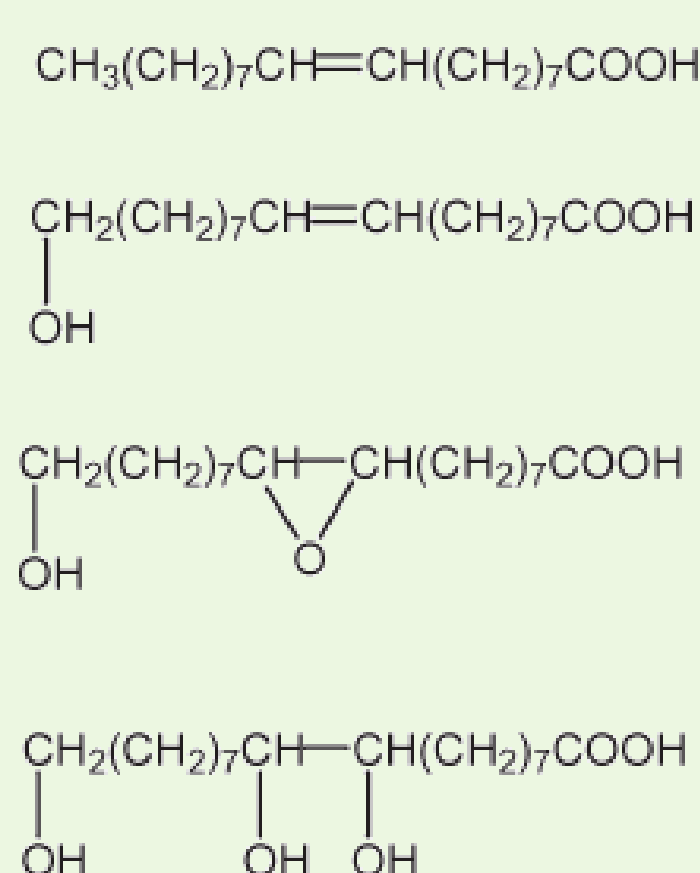
Barrier to oxygen, moisture
and grease



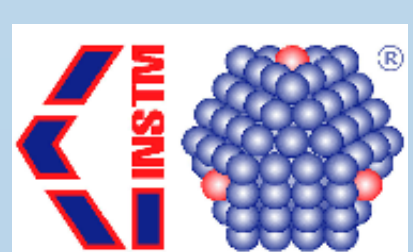
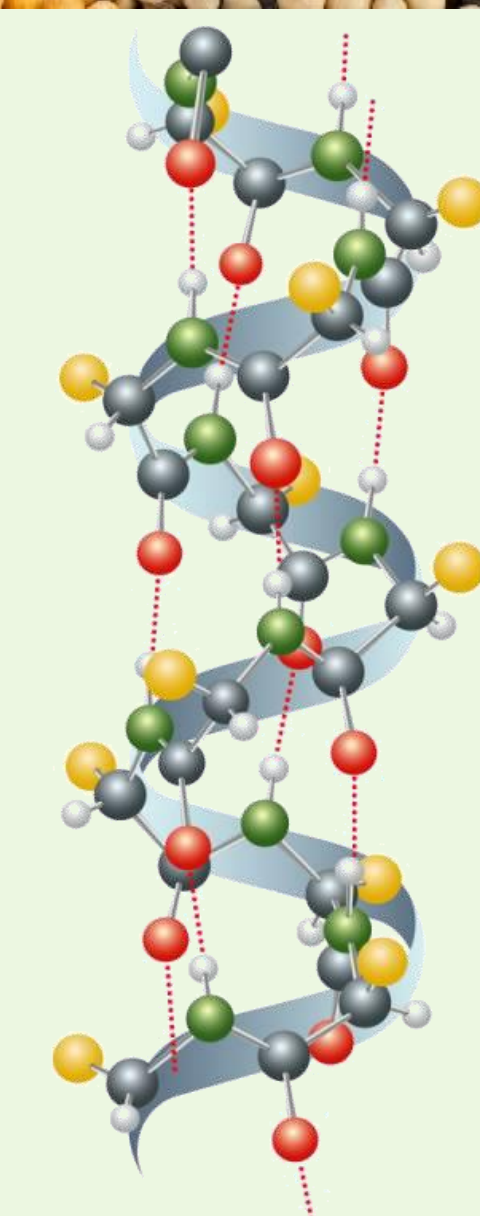
C₁₆ Acids



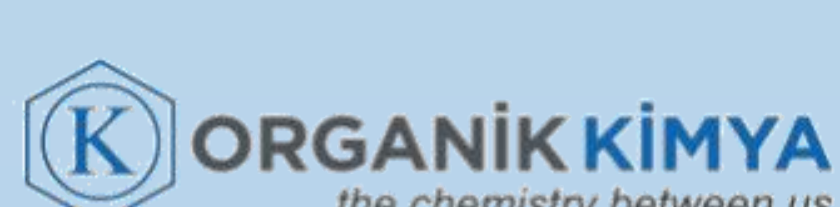
C₁₈ Acids



Acids from cutin



Huhtamaki



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