

KLK Emmerich GmbH

KLK Emmerich GmbH is a leading producer of fatty acids in Europe with carbon chain lengths between C6 and C22, as well as isostearic, dimer fatty acids and glycerin. Our production footprint includes manufacturing in Germany (Emmerich am Rhein and Düsseldorf). The product portfolio is completed with esters, fatty alcohols, anionic surfactants and amides from the KLK OLEO group.

Certifications

- + ISO 9001
- + ISO 14001
- + KOSHER
- + HACCP
- + ISO 50001
- + ISO 45001
- + HALAL
- + EcoVadis Silver Medal

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Green Ingredients for every colour

PLANTERA

bio-based building blocks



PLANT-BASED

- Vegetable feedstock
- 100% Bio-based
- Kosher / Halal



LOCAL

- Made in Germany
- Non-EUDR feedstock
- European Oil types



RENEWABLE

- Reducing Reliance on Fossil Fuels
- Scalable in availability
- No by-product

Sustainability

EUDR

PLANTERA products use feedstocks outside the scope of EUDR (EU Deforestation Regulation), prioritizing local sourcing and short supply routes.



Low / Negative CO₂

According to ISO 14067:2018, biogenic CO₂ uptake from biomass growth is included in the PCF calculation. KLK OLEO Europe reports the PCF including biogenic CO₂ removal. The carbon content is calculated based on the chemical structural formula, with biogenic components shown separately.

Renewable

Renewable feedstock refers to raw materials naturally replenished over time. Our feedstocks, derived from vegetable oils, support sustainability and reduce dependence on fossil fuels.



Bio-based Carbon Content

Bio-based content measures the percentage of bio-based carbon relative to total carbon. Our calculations are based on the chemical structural formula.

Dimer Fatty Acids



- Standard Dimer Fatty Acid
- High Purity Dimer Acid

Resins, e.g. epoxy, polyester, polyurethane and polyamide

Trimer Fatty Acids



- Min. 70% Trimer Content
- Min. 50% Trimer Content
- Excellent hydrophobicity

Flexible epoxy and polyamide resins

Isostearic Acids



- Saturated, Branched Fatty Acid
- High oxidative and colour stability
- Very low starting colour

Applicable for oil alkyds and polyamides

TOFA Alternatives



- Vegetable alternative to Tall Oil Fatty Acids
- Scalable in supply - No by-product
- Low Colour
- High Iodine Value
- Low Cloud Point

Polyunsaturated Fatty Acids



- Oleic Acid (C18:1)
- Soy-Type, non-GMO
- Distilled Fatty Acids e.g. Rapeseed, Sunflower Oil

Glycerine



- High Purity
- Vegetable
- Non-GMO