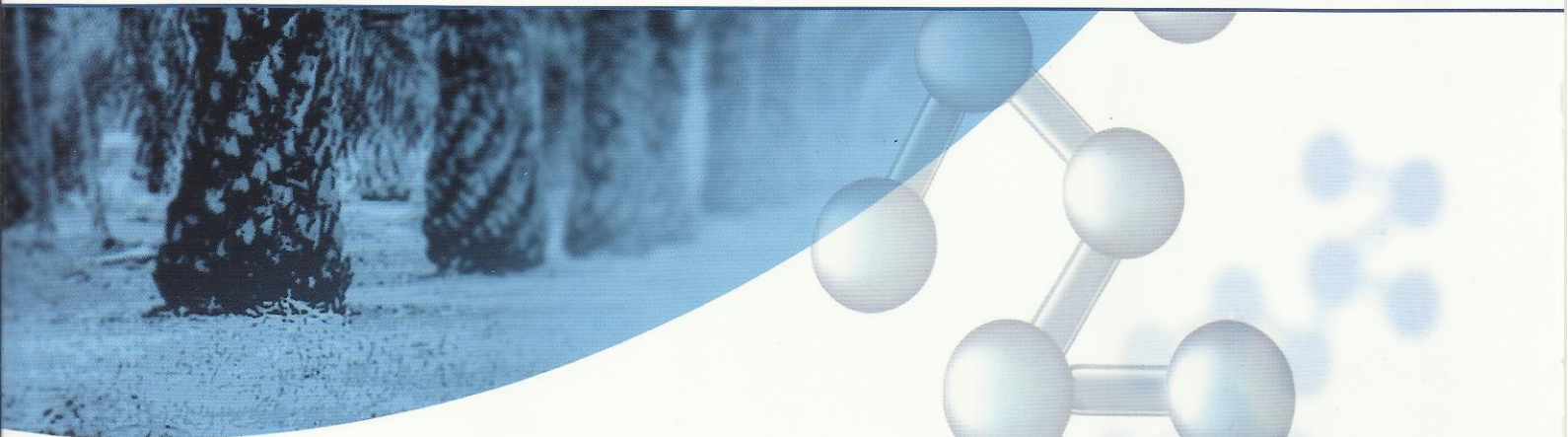


PETER GREVEN Your partner for oleochemicals



P E T E R 
GREVEN
Your partner for oleochemicals



PETER GREVEN

Peter Greven was founded in 1923 in Germany as family owned company and developed in the last decades to a leading and internationally known manufacturer of oleochemical additives and auxiliaries. In our three production sites in Germany, The Netherlands and Malaysia, we produce high quality metallic soaps, alkaline soaps, ester lubricants, fatty acids and glycerine.

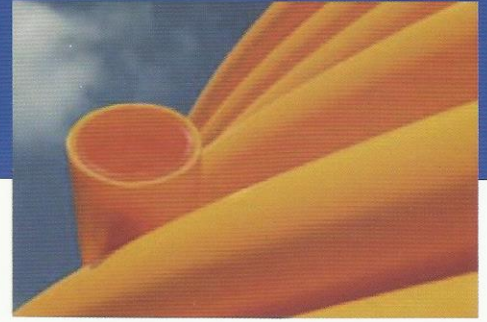
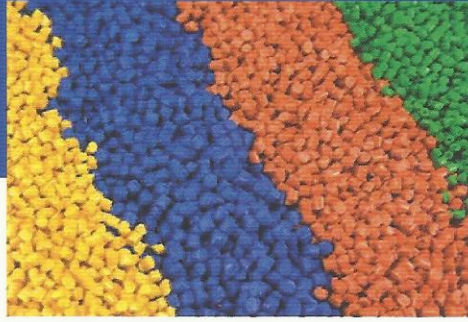
Due to the versatility of these products and the wide product range these additives are used in various industrial sectors such as plastics, building protection, paper and lubricants and also in life science such as pharmaceutical, food, feed and cosmetic industry.

Peter Greven Asia based in Penang, Malaysia, is a joint venture between Peter Greven GmbH & Co and IOI Oleochemicals Industries (Malaysia) established in 2007. Our plant is GMP, HACCP certified as well as ISO 9001 certified. This plant is specialized in the production of high quality metallic stearates using strictly vegetable fatty acids.

For over 90 years, **Peter Greven** has solved innumerable application technological problems by means of oleochemicals.

Deeply rooted in a culture of excellence, we serve our markets around the world with a passion to give our customers an edge in today's competitive environment.

**OUR EXPERTISE,
YOUR ADVANTAGE**



PETER GREVEN Your partner for plastics additives

1. PVC

PVC is now used in a wide number of areas, from standard technical products to special medical applications. This development would never have been possible without the use of appropriate stabilizers which protect PVC from decomposition when exposed to heat or light. Probably the most important class of the stabilizers are metallic soaps. Metallic soaps not only have excellent stabilizing properties, they are also good lubricants.

2. Polyolefins

Compared to PVC, polyolefins are easy-to-work plastics with naturally favourable working properties and good thermal stability in the absence of oxygen. The additives mainly used to stabilize this plastics are antioxidants. However, most catalysts contain chloride, and there is a risk of hydrochloric acid formation during processing which can affect the performance and easily corrode working tools. To prevent this, 0.05 to 0.2% calcium or zinc stearate is added to the formulations. Calcium stearate has proved especially beneficial in this regard due to its higher affinity to chloride.

3. Masterbatch and Compounding

Zinc, Calcium and Magnesium Stearates are used extensively in masterbatch and compounding production as a colour dispersing agent with good stability. In addition, metallic stearates also promotes thermal stability, improve slip properties, increase flowability in extruders and assist in mold release. A high quality metallic stearate does not affect the colour of the plastic end-product.



- Flowability agent
- Anti-caking agent
- Lubricant
- Separating agent
- Coating agent
- Foaming agent
- Emulsifier
- Water repellent

PETER GREVEN

Your partner for food/feed, pharma and cosmetics additives (FPC)

Food

Our products are manufactured according to HACCP food safety standards and comply with the FDA regulations for direct food contact (GRAS) and are confirmed within the latest Food Chemical Codex (FCC). Commonly used as flowability, anti-caking, separating and coating agent, our products are also used as lubricant, emulsifier and water repellent agent.

Pharmaceutical

Oleochemicals additives are among the most important and extensively used excipients in the pharmaceutical industry. Our brand name LIGAMED is dedicated to our high quality additives specifically developed for the use in pharmaceutical applications. Complimenting our LIGAMED product range we also offer a standard Magnesium Stearate. Palmstar MGST is a direct processed Magnesium Stearate based on vegetable fatty acids. This product is used as a lubricant and flowability agent for the production of pharmaceutical, nutraceutical and dietary supplement tablets. Palmstar MGST is manufactured in accordance to PH. EUR and USP/NF.



Cosmetics

Soaps are the oldest, historically documented cosmetic products, e.g. in the cuneiforms of the Ancient Babylonians are references to formulation for the manufacture of soaps for body cleansing. Today surfactants have often taken over the function of soaps as a detergent. Nevertheless natural soaps and metallic soaps can be found in many cosmetic products.

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