



Excellence in  
Cosmetics



**LIGAFOOD**

Metallic Stearates

**LIGASTAR**

Metallic Stearates

**PALMSTAR**

Metallic & Alkaline Stearates

**COAD**

Metallic Stearates

---

Norac Additives' long-term experience in the production and usage of metallic stearates combined with Peter Greven's product and application experience for the cosmetics industry makes us your strong partner for cosmetic additives.

By combining the Peter Greven LIGAFOOD, LIGASTAR and PALMSTAR range with Norac Additives COAD products we are able to meet versatile requirements from the cosmetics industry.

# SUSTAINABLE COSMETIC ADDITIVES

---

Our products are based on natural, renewable raw materials which makes them perfectly suitable for applications with high sustainability requirements.

COAD product range is produced at our US site in Helena, AR.

LIGASTAR products are manufactured at the Peter Greven site in Bad Münstereifel (DE).

LIGAFOOD and PALMSTAR products come from the Peter Greven facility in Venlo (NL). As this site is dedicated to the needs of the Life

Science industries, the products are compliant with the strict Life Science requirements, like for example:

- Production under GMP conditions
- Production in accordance to HACCP standards
- Kosher and Halal certified products available
- Meet FDA guidelines for direct food contact (GRAS)
- Compliant with the latest FCC (Food Chemical Codex)
- FSSC 22000 (ISO 22000) certificate
- RSPO certified products available
- Various combinations with other additives possible



# RSPO AND COSMOS

## RSPO

As sustainability and the responsible use of natural resources are fundamental aspects of our corporate philosophy we offer different products based on sustainable, RSPO certified fatty acids to support the sustainable palm oil production.

The Roundtable on Sustainable Palm Oil (RSPO), which was founded in 2004, is a non-profit association. It unites stakeholders from seven sectors of the palm oil industry in order to develop and to introduce global standards for sustainable palm oil.

Peter Greven became an official member of the RSPO in 2010. In September 2013 Peter Greven Nederland received its RSPO certification for Mass Balance (MB) products. This certification could be extended by RSPO Segregated (SG) products in 2016. All LIGAFOOD and PALMSTAR products are only available as RSPO Mass Balance (MB) certified grade.

Peter Greven has offered RSPO Mass Balance (MB) certified products since 2015.

Norac Additives received its RSPO certification for Mass Balance (MB) products in 2021.

All RSPO Mass Balance (MB) certified products in our portfolio are easily recognizable by the name component MB and the RSPO Mass Balance logo on product packaging.

## COSMOS

The COSMOS-standard is focused on the needs of the cosmetics industry. It is a consumer guarantee for organic and natural cosmetics and covers in detail all aspects of the sourcing, manufacturing, marketing and control of cosmetic products.

Peter Greven Nederland received its COSMOS approval in 2021. From the products mentioned in this brochure, **PALMSTAR ZPR-2-V** is COSMOS approved.



RSPO-1106171

RSPO Mass Balance



# COSMETICS ADDITIVES

Soaps are the oldest, historically documented cosmetic products. For example, the cuneiforms of the ancient Babylonians show references to formulations for the manufacture of soaps for body cleaning. 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.

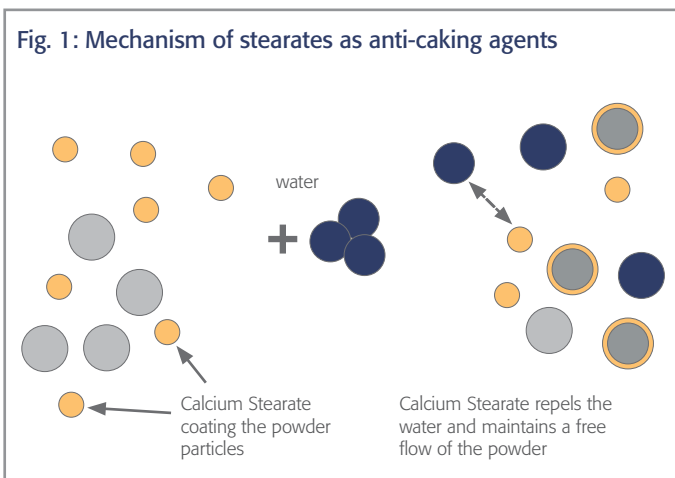
Our metallic and alkaline soaps can be used as

- Anti-caking agent
- Flowability agent
- Stability agent
- Gelling agent
- Viscosity modifier
- Emulsifier
- Whitening agent

## Metallic Stearates as anti-caking agents

Moisture, mainly in the form of humidity, can wet the surface of the particles in a dry mix. Without anti-caking agents the particles will agglomerate. As this has a negative impact on performance, stability and appearance as well as on processability metallic stearates can be used as anti-caking agents in order to avoid agglomeration.

**Fig. 1: Mechanism of stearates as anti-caking agents**



**Fig. 2: Effect of stearates as anti-caking agents**



# PRODUCT OVERVIEW

---

## **LIGAFOOD CPR-2-K-MB**

### Calcium Stearate

Due to its high specific surface area of 5–9 m<sup>2</sup>/g and its fine particles (average particle size D<sub>50</sub>: 5–9 µm) this precipitated calcium stearate (E 470a) is very efficient. It is widely used as an anti-caking agent, due to its water-repellent characteristics. Same as with our LIGAFOOD MF-2-K-MB this product is produced by a specific precipitated production process. It is Kosher and Halal certified and is based on RSPO Mass Balance (MB) certified fatty acid. This product is also available as pharmaceutical grade.

## **PALMSTAR ZPR-2-V-MB**

### Zinc Stearate

Our zinc stearate is used in the cosmetic industry as a colorant and anti-caking agent. It is mainly used in creams and ointments and in make-up – powders, mascara, eye shadow – for its water repellent and protective agent characteristics. Furthermore, zinc offers the advantage of exhibiting an antibacterial effect, especially in ointments.

## **COAD 13D VG-MB**

### Calcium Stearate

Coad 13D VG-MB is a high quality calcium stearate powder made from RSPO MB stearic acid. It is a cost effective solution in applications that do not require a pharmaceutical grade or Kosher certified product. It is also available in a larger lower dust particle.

## **COAD 23 VG-MB**

### Zinc Stearate

Coad 23 VG-MB is a high quality zinc stearate powder made from RSPO MB stearic acid. It is a cost effective solution in applications that do not require a pharmaceutical grade or Kosher Certified product. It is also available in small bead form.



# PRODUCT OVERVIEW

---

## **LIGASTAR ALG-V**

Aluminium Stearate

LIGASTAR ALG-V is a distearate produced with vegetable fatty acids and offering the best gelling properties in the range of all aluminium stearate grades. It is used in ointments as thixotropic agent and viscosity modifier. It improves the flowability and the adherence to cosmetic powders and exhibits a slight astringent effect.

## **LIGAFOOD MF-2-K-MB**

Magnesium Stearate

This precipitated magnesium stearate (E 470b) is based on RSPO Mass Balance (MB) certified fatty acid and is Kosher and Halal certified. Due to its fine particles (average particle size D50: 7–11 µm) and its high specific surface area of 6–12 m<sup>2</sup>/g it is very efficient. This product is also available as pharmaceutical grade.

## **PALMSTAR NAV PC-MB**

Sodium Stearate

This Sodium Stearate grade is used as an emulsifier and opacifier in the cosmetic industry. However, the largest application is the production of deodorant sticks: A solution of about 10 % of PALMSTAR NAV PC forms a hard, solid gel under cold conditions. Due to its particle structure and composition the performance characteristics are very suitable for this application.





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

☎ +1 (888) 768-6722