

**YOUR PARTNER IN
OLEOCHEMICALS**



CHEM**SYNERGY**

Germany United Kingdom Philippines India Singapore China USA

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ChemSynergy AG – Profile

The Company

ChemSynergy AG was founded in Meerbusch, Germany in early 2000. Its management has a distinguished and worldwide reputation throughout the oleochemical industry enabling ChemSynergy AG to become a major distributor and producer of chemicals to Europe, Middle-East, Africa, and North America. The company's prime focus is on the supply of oleochemicals based on renewable sources.

We are particularly strong in the traditional distribution of oleochemicals, especially fatty alcohols, fatty acids, fatty amines, glycerine, methyl ester, special esters and defined oils for cosmetic/ personal care, food, and industrial applications. ChemSynergy fully supports developments towards sustainability. Consequently the company will be certified according to the RSPO regulation.

Competence and worldwide presence – our Strengths

ChemSynergy AG distinguishes itself from other distributors in the industry by providing technical and process consultancy to our partners, especially for the production of oleochemicals and their derivatives.

As example, clients focused on the production of oleochemical derivatives, were benefiting from ChemSynergy's technical consultancy service. Based on that, a 120,000 MT methyl ester plant, could go into operation in the Philippines.

A Chinese producer of Fatty Amines could achieve an outstanding product quality due to ongoing consultancy in the field of reactor design and engineering.

Our principal supply base is mainly made up of Asian companies, which strengthens our relationship with existing and potential new suppliers. Among the oleochemicals manufacturers this is recognized as a strong competitive edge.

As a result of close relationships such as these, we can ensure a continuous and secure supply of high quality chemicals to our customers.

ChemSynergy AG also offers value added services such as:

- Production according to customer needs
- Technical and application support
- Blending and formulation of liquid oleochemicals
- Allocation of flexible tank storage facilities
- Pastillation of special oleochemical products

These services create new opportunities to our customers to focus on their core competences and enables both partners realizing positive synergetic effects and continuous growth especially in "make or buy" decision processes.

Synergetic Approach

In March 2014 ChemSynergy AG started a cooperation with Impag Import GmbH, an established distributor mainly for the Cosmetic Industry. This enables both parties to intensify their services in offering a much more comprehensive product portfolio to satisfy customer needs. The cooperation demonstrates that we do justice to our name by using synergies in the thriving markets of Europe.

Our Future – International

ChemSynergy AG maintains subsidiaries in the Philippines, China, Singapore, India and the United Kingdom. With regard to our expanding worldwide operations in a continuously growing market, ChemSynergy AG recently established a representation in USA.

Our mission is to flexibly take advantage of the new opportunities emerging in a booming market with a major potential in the years ahead.





Main Product Focus

Oils & Fats

Fatty Alcohols

Fatty Acids

Methyl Esters

Glycerines

Fatty Amines

Special Esters & Surfactants

Soap Noodles





Basic Oleochemicals

Oils & Fats

Castor Oil PU
Hydrogenated Castor Oil
Castor Oil FSG
Crude Coconut Oil
Coconut Oil RBD
Desiccated Coconut Oil
Hydrogenated Coconut Oil
Virgin Coconut Oil (VCO)
Crude Palm Oil
Crude Palm Oil High FFA
Palm Oil RBD
Palm Olein RBD
Palm Kernel Oil RBD
Hydrogenated Palm Stearin
Soya Oil

Fatty Alcohols

Fatty Alcohol C6 99
Fatty Alcohol C8 99
Fatty Alcohol C8C10
Fatty Alcohol C10 98
Fatty Alcohol C10C12
Fatty Alcohol C12 99
Fatty Alcohol C14 98
Fatty Alcohol C14 98 Pastilles
Fatty Alcohol C16 98
Fatty Alcohol C16 98 Pastilles
Fatty Alcohol C18 98
Fatty Alcohol C18 98 Pastilles
Fatty Alcohol C12C14
Fatty Alcohol C12C16
Fatty Alcohol C12C18
Fatty Alcohol C16C18 30/70
Fatty Alcohol C16C18 30/70 Pastilles
Fatty Alcohol C16C18 50/50
Fatty Alcohol C16C18 50/50 Pastilles
Fatty Alcohol C16C18 70/30
Fatty Alcohol C16C18 70/30 Pastilles
Fatty Alcohol C18C22
Fatty Alcohol C18C22 Flakes
Fatty Alcohol C22 75/90

Sugar Alcohols

Sorbitol Powder R
Sorbitol Powder F
Maltit Powder





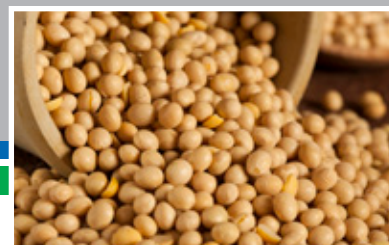
Basic Oleochemicals

Fatty Acids, saturated

Fatty Acid C6 99
Fatty Acid C8 99
Fatty Acid C8C10 Crude
Fatty Acid C8C10 Distilled
Fatty Acid C8C10 Heat Stable
Fatty Acid C10 99
Fatty Acid C12 99
Fatty Acid C12 98 Flakes
Fatty Acid C14 98
Fatty Acid C14 98 Flakes
Fatty Acid C16 98
Fatty Acid C16 98 Flakes
Fatty Acid C18 98
Fatty Acid C18 98 Flakes
Fatty Acid C8C18
Fatty Acid C12C14
Fatty Acid C12C18
Fatty Acid C12C18 Hydrogenated
Fatty Acid C16C18 V 30/70 (Stearic)
Fatty Acid C16C18 V 30/70 (Stearic) Flakes
Fatty Acid C16C18 A 30/70 Partially Hydrogenated
Fatty Acid C16C18 V 48/51 (Stearic)
Fatty Acid C16C18 V 48/51 (Stearic) Flakes
Fatty Acid C16C18 V 65/35 (Stearic)
Fatty Acid C16C18 V 65/35 (Stearic) Flakes
Fatty Acid Candle Application
Fatty Acid 12-Hydroxystearic
Fatty Acid Behenic 85
Fatty Acid Behenic 90
Sebacic Acid

Fatty Acids, unsaturated

Oleic Acid V 8896-70
Oleic Acid A 9098-75
Oleic Acid V 8896-75
Oleic Acid A 8896-70
Ricinoleic Acid



Basic Oleochemicals

Oleochemical By-products

Coconut Acid Oil (CAO)
Coconut Fatty Acid Distillate (CFAD)
Palm Acid Oil (PAO)
Palm Kernel Acid Oil (PKAO)
Palm Fatty Acid Distillate (PFAD)
Palm Kernel Fatty Acid Distillate (PKFAD)
Soya Acid Oil (SAO)
Soya Fatty Acid Distillate (SFAD)
Fatty Alcohol Light End
Fatty Alcohol Heavy End

Methyl Esters

Methyl Ester C8C10
Methyl Ester C6C18
Methyl Ester C12C14
Methyl Ester C12C16
Methyl Ester C12C18
Methyl Ester C16C18
Castor Oil Methyl Ester
Methyl Oleate
Rapeseed Methyl Ester

Glycerines

Glycerine 99.5% V, DAB, EP, USP
Glycerine 99.5%
Crude Glycerine 80% V
Crude Glycerine 80% VT
Crude Glycerine 70% V
Crude Glycerine 70% VT
Crude Glycerine 60% V
Crude Glycerine 60% VT

Fatty Amines, prim.

Dodecyl Amine Dist.
Dodecyl / Tetradecyl Amine Dist.
Octadecyl Amine Dist.
Oleyl Amine 75 Dist.
Oleyl Amine 90 Dist.
Coco Amine Dist.
Tallow Amine Dist.
Tallow Amine Hydrogenated V Dist.
Tallow Amine Hydrogenated A Dist.

Fatty Amines, sec.

Dicoco Amine
Ditallow Amine Hydrogenated
Distearyl Amine

Fatty Amines, tert.

C10 Dimethyl Amine
C12 Dimethyl Amine
C14 Dimethyl Amine
C16 Dimethyl Amine
C18 Dimethyl Amine
C12C14 Dimethyl Amine
C16C18 Dimethyl Amine

Diamines

Tallowpropylenediamine (TPDA)





Oleochemical Derivatives

Mono Alcohol Esters

Isopropyl Laurate (IPL)
Isopropyl Myristate (IPM)
Isopropyl Palmitate (IPP)
Butyl Stearate
Isobutyl Stearate
Ethylhexyl Cocoate
Ethylhexyl Laurate
Ethylhexyl Oleate
Ethylhexyl Palmitate
Ethylhexyl Stearate
Isotridecyl Stearate
Isostearyl Isostearate

Glycerol Esters

Glycerol Monostearate NSE (GMS-NSE)
Glycerol Monostearate SE (GMS-SE)
Glycerol Monolaurate (GML)
Glycerol Monooleate (GMO)
Glycerol Tricaprylate/Caprates (MCT)
Glycerol Trioleate (GTO)

Sorbitan Esters

Sorbitan Monolaurate (SML)
Sorbitan Monopalmitate (SMP)
Sorbitan Monostearate (SMS)
Sorbitan Monooleate 40/30 (SMO)
Sorbitan Monooleate 60/20 (SMO)
Sorbitan Monooleate 75/18 (SMO)
Sorbitan Tristearate
Sorbitan Trioleate
PEG - 20 Sorbitan Monolaurate
PEG - 20 Sorbitan Monopalmitate

PEG - 20 Sorbitan Monostearate
PEG - 20 Sorbitan Monooleate
PEG - 20 Sorbitan Tristearate
PEG - 20 Sorbitan Trioleate

Glycol Esters

Ethylene Glycol Monostearate
Ethylene Glycol Distearate
Polypropylene Glycol 2000 Dioleate
Propylene Glycol Dioleate (PGDO) 60/20
Propylene Glycol Dioleate (PGDO) 70/20

PEG Esters

PEG 200 Monolaurate
PEG 200 Monostearate
PEG 200 Monooleate
PEG 400 Monolaurate
PEG 400 Monostearate
PEG 400 Monooleate
PEG 600 Monolaurate
PEG 600 Monostearate
PEG 600 Monooleate
PEG 400 Dioleate
PEG 600 Dioleate
PEG 6000 Distearate

TMP Esters

TMP Trioleate
TMP Tricaprylate / Caprate





Oleochemical Derivatives

Surfactants

Sodium Lauryl Sulfate Powder
Sodium 2-Ethylhexyl Sulfate 40%
Disodium Laureth Sulfosuccinate 40%
Disodium Cocamido MEA Sulfosuccinate 40%
Sodium Dioctylsulfosuccinate 70%
Sodium Lauroyl Sarcosinate 30%
CAPB 35%
CAPB 45%
Disodium Cocoamphodiacetate 50%
Disodium Cocoamphodipropionate 40%
Disodium Cocoamphodipropionate 70%
Cocamide MEA
Cocamide DEA
PEG-7 Castor Oil
PEG-11 Castor Oil
PEG-20 Castor Oil
PEG-25 Castor Oil
PEG-35 Castor Oil
PEG-40 Castor Oil
PEG-40 Hydrogenated Castor Oil
Fatty Alcohol C16C18 EO 5
Fatty Alcohol C16C18 EO 20
Fatty Alcohol C16C18 EO 25
Fatty Alcohol C16C18 EO 50
Fatty Alcohol C16C18 EO 80
Oleic Acid EO 7
Coco Amine EO 5
Coco Amine EO 10
Oleyl Amine EO 2
Oleyl Amine EO 10
Oleyl Amine EO 20
Tallow Amine EO 2
Tallow Amine EO 5
Tallow Amine EO 10
Tallow Amine EO 15

Specialities for Personal Care

Active Ingredients

Allantoin
Alpha Bisabolol Natural
Arbutin
DL - Panthenol Powder
Hyaluronic Acid Sodium 90% Natural
Piroctone Olamine
Tocopheryl Acetate
Zinc Pyrithione 48% Dispersion (ZPT 48%)

Antimicrobials

Climbazole
Ketoconazole
Triclosan

Special Oils

Jajoba Golden Oil
Almond Oil
Apricot Kernel Oil
Avocado Oil
Grape Seed Oil
Hazelnut Oil
Macadamia Nut Oil
Moringa Oil
Peach Kernel Oil
Sunflower Oil
Sweet Almond Oil
Walnut Oil
Wheat Germ Oil





Specialities for Food

Citric Acid Monohydrate
Citric Acid Anhydrous
Trisodium Citrat Dihydrate
Potassium Sorbate
Sodium Benzoate
Tartaric Acid

Animal Feeds

Copra Cake Expeller Meal

Others

Diphosphorus Pentoxide (P2O5)
Soap Noodles P 80/20
Soap Noodles PC 65/35
Soap Noodles SN06
Soap Noodles CSA Soap 049
Used Cooking Oil (UCO)

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