YOUR PARTNER IN OLEOCHEMICALS



Germany United Kingdom Netherlands India

Table of Contents

ChemSynergy GmbH - Profile	04
Main Product Focus	05

Basic Oleochemicals

Oils & Fats	06
Fatty Alcohols	06
Sugar Alcohols	06
Fatty Acids, saturated	07
Fatty Acids, unsaturated	07
Oleochemical By-products	07
Methyl Esters	07
Glycerines	07

Oleochemical Derivatives

Fatty Amines, prim.	08
Fatty Amines, sec.	
Fatty Amines, tert.	
Diamines	
Quaternary Ammonium Biocides	
Mono Alcohol Esters	09
Glycerol Esters	09
Sorbitan Esters	09
Glycol Esters	09
PEG Esters	09
TMP Esters	09
Surfactants	10
Secondary Alcohol Ethoxylates	10

Specialities for Personal Care

Active Ingredients	11
Antimicrobials	11
Special Oils	11

Specialities	for	Food	 12

Animal	Feed	13

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Others _____ 13
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Contacts ______ 14
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ChemSynergy GmbH – Profile

The Company

The head office of ChemSynergy is located in Meerbusch, Germany. Its management has a distinguished and worldwide reputation throughout the oleochemical industry enabling ChemSynergy 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, biocidal quats, glycerine, methyl ester, special esters and defined oils for cosmetic/ personal care, household products/detergents, food, and industrial applications. ChemSynergy fully supports developments towards sustainability. Consequently the company has been certified according to the RSPO regulations.

Competence and worldwide presence – our Strengths

ChemSynergy 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.

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 also offers value added services such as:

- · Production according to customer needs
- Technical and application support
- Blending, filling 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.

Our Partners

ChemSynergy started a cooperation with SECOL Chemicals, a producer of Secondary Alcohol Ethoxylates, in March 2020. ChemSynergy is responsible for SECOLs sales and marketing activities in Europe and for selected global accounts.

In October 2021 ChemSynergy took over the European wide distribution of Oleochemicals from Kao Chemicals.

In April 2022 Pilot Chemical appointed Chem-Synergy as its European distribution partner for quaternary ammonium biocides.

ChemSynergy – International

ChemSynergy maintains subsidiaries in the United Kingdom and in the Netherlands and a representation office in India.

CHEMSYNERGY

04





Main Product Focus

Oils & Fats

Fatty Alcohols

Fatty Acids

Methyl Esters

Glycerines

Fatty Amines & Biocidal Quats

Special Esters & Surfactants

Soap Noodles







Basic Oleochemicals

Oils & Fats

Castor Oil FSG Castor Oil PU Hydrogenated Castor Oil Virgin Coconut Oil (VCO) Hydrogenated Palm Stearin

Sugar Alcohols

Sorbitol Powder R Sorbitol Powder F Maltit Powder

Fatty Alcohols

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

Unsaturated Fatty Alcohols

Fatty Alcohol unsaturated 50/55 Fatty Alcohol unsaturated 60/65 Fatty Alcohol unsaturated 70/75 Fatty Alcohol unsaturated 80/85 Fatty Alcohol unsaturated 90/95





Basic Oleochemicals

Fatty Acids, saturated

Fatty Acid C8 99 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 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 12-Hydroxystearic Fatty Acid Behenic 85 Fatty Acid Behenic 90 Sebacic Acid

Fatty Acids, unsaturated

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

Oleochemical By-products

Coconut Acid Oil (CAO) Coconut Fatty Acid Distillate

Methyl Esters

Methyl Ester C8C10 Methyl Ester C6C18 Methyl Ester C16C18 Castor Oil Methyl Ester

Glycerines

Glycerine 99.5% V, DAB, EP, USP Glycerine 99.5% Glycerine 86.0% Crude Glycerine 80% V







Oleochemical Derivatives

Fatty Amines, prim.

Coco Amine Dist. Octadecyl Amine Dist. Oleyl Amine 75 Dist. Oleyl Amine 90 Dist. Tallow Amine Dist. Tallow Amine Hydrogenated Dist.

Fatty Amines, sec.

Dicoco Amine Ditallow Amine Hydrogenated Distearyl Amine

Quaternary Ammonium Biocides

Maquat 2525M-50 Maquat 2525M-80 Maquat MC 1412-50 Maquat MC 1412-80 Maquat MC1416-50 Maquat MC1416-80 Maquat 4450-E Maquat 4480-E Maquat 4480-E Maquat SC 18-85 Maquat LC 12S-50 Maquat OAC

Fatty Amines, tert.

C8 Dimetyl Amine C10 Dimethyl Amine C12 Dimethyl Amine C14 Dimethyl Amine C16 Dimethyl Amine C18 Dimethyl Amine C12C14 Dimethyl Amine C12C16 Dimethyl Amine C12C18 Dimethyl Amine C16C18 Dimethyl Amine C22 Dimethyl Amine C8 Dioctyl Amine C10 Didecyl 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 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/Caprate (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

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 Monooleate PEG 600 Monolaurate PEG 600 Monooleate PEG 600 Monooleate PEG 600 Dioleate PEG 600 Dioleate

TMP Esters

TMP Trioleate TMP Tricaprylate / Caprate







Oleochemical Derivatives

Nonionic Surfactants

Cocamide MEA Cocamide DEA PEG-7 Glyceryl Cocoate PEG-20 Sorbitan Monolaurate (Polysorbate 20) PEG-20 Sorbitan Monopalmitate (Polysorbate 40) PEG-20 Sorbitan Monostearate (Polysorbate 60) PEG-20 Sorbitan Monooleate (Polysorbate 80) PEG-20 Sorbitan Tristearate (Polysorbate 65) PEG-20 Sorbitan Trioleate (Polysorbate 85) Fatty Alcohol C16C18 EO 10 Fatty Alcohol C16C18 EO 20 Fatty Alcohol C16C18 EO 25 Fatty Alcohol C16C18 EO 50 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 Coco Amine EO 5 Coco Amine EO 10 Oleyl Amine EO 10 Oleyl Amine EO 20 Tallow Amine EO 5 Tallow Amine EO 10 Tallow Amine EO 15

Anionic Surfactants

Sodium Dioctylsulfosuccinate 50% (DOSS 50%) Sodium Dioctylsulfosuccinate 70% (DOSS 70%)

Cationic Surfactants

Polyquaternium - 7

Amphoteric Surfactants

CAPB 35% CAPB 45% Disodium Cocoamphodiacetate 50% Sodium Cocoamphodipropionate 40% Sodium Ethylhexyl Imino Dipropionate 40%

Secondary Alcohol Ethoxylates

Secondary Alcohol Ethoxylate EO 3 Secondary Alcohol Ethoxylate EO 5 Secondary Alcohol Ethoxylate EO 7 Secondary Alcohol Ethoxylate EO 9 Secondary Alcohol Ethoxylate EO 12 Secondary Alcohol Ethoxylate EO 12 (90%) Secondary Alcohol Ethoxylate EO 15 Secondary Alcohol Ethoxylate EO 200 Secondary Alcohol Ethoxylate EO 200 (80%) Secondary Alcohol Ethoxylate EO 400 (70%)

10



Specialities for Personal Care

Active Ingredients

Allantoin Alpha Bisabolol Natural Arbutin Deoxyarbutin Bismuth Citrate Bismuth Oxychloride Chlorhexidine Gluconate DL - Panthenol Powder Ethylhexylglycerine Hyaluronic Acid Sodium 90% Natural Kojic Acid Piroctone Olamine Tocopheryl Acetate Zinc Pyrithione 48% Dispersion (ZPT 48%) Zinc Pyrithione Powder (ZPT Powder)

Special Oils

Jojoba 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

Antimicrobials

Climbazole Ketoconazole Triclosan







Specialities for Food

Sorbitan Ester

Sorbitan Monolaurate (E493) Sorbitan Monooleate (E494) Sorbitan Monopalmitate (E495) Sorbitane Monostearate (E491) Sorbizane Tristearate (E492)

Polysorbates

PEG-20 Sorbitan Monolaurate (Polysorbate 20 - E432) PEG-20 Sorbitan Monooleate (Polysorbate 80 - E433) PEG-20 Sorbitan Monopalmitate (Polysorbate 40 - E434) PEG-20 Sorbitan Monostearate (Polysorbate 60 - E435) PEG-20 Sorbitan Tristearate (Polysorbate 65 - E436)

Auxiliaries

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

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12

Animal Feed

Copra Cake Expeller Meal

Others

Soap Noodles P 80/20 Soap Noodles PC 65/35 Soap Noodles SN06 Soap Noodles CSA Soap 049



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