LEVACO CHEMICALS

CHEMICAL SOLUTIONS PRODUCT PORTFOLIO

INTRODUCTION

LEVACO stands for decades of experience and expertise in the development and production of innovative solutions. With a strong commitment to quality, sustainability, and customized applications, LEVACO provides surfactants used across various industries, including chemicals, agrochemicals, food production, and cleaning solutions.

Utilizing state-of-the-art production methods and rigorous quality control measures, LEVACO ensures that its surfactants not only deliver outstanding quality and performance but are also environmentally friendly and sustainable. The company prioritizes renewable raw materials and continuously advances research and development to create surfactants that meet the highest industry standards.

With certified, high-quality products, LEVACO is the ideal partner for companies seeking reliable and innovative surfactants — whether for industrial applications or consumer products.

LEVACO – FLEXIBLE, AGILE AND CUSTOMER-FOCUSED

At LEVACO, your needs are our number one priority. Our flexibility and agility enable us to develop customised solutions - quickly, efficiently and reliably. Whether in product development, order handling or customer service: our dedicated team responds quickly and works with you every step of the way. Together we create added value — customised, straightforward and of the highest standard.

TAILOR – MADE SURFACTANTS FOR MAXIMUM EFFICIENCY

LEVACO's customized surfactants are designed to meet precise formulation requirements, balancing factors such as hydrophilic-lipophilic balance (HLB), emulsification efficiency and foam stability. By selecting surfactants perfectly suited to specific applications, efficiency can be improved and reduce overall raw material usage, ultimately leading to a more sustainable and cost-effective production.
For custom-made solutions, talk to the surfactant specialists at LEVACO.

THE ROLE OF NON-IONIC SURFACTANTS IN THE INDUSTRY

Non-ionic surfactants are essential in many industrial applications, from chemical and agrochemical processes to food production applications. Their neutral charge makes them exceptionally stable and adaptable across various pH ranges, while offering benefits like excellent skin compatibility and low irritation potential. As a result, they are widely used in detergents, emulsions and lubricants. Join us in discovering their potential and the innovative solutions LEVACO can provide.

HIGH-QUALITY, SUSTAINABLE SURFACTANTS

Using state-of-the-art production methods and rigorous quality control, LEVACO ensures its surfactants deliver outstanding performance while prioritizing environmentally friendly practices. We focus on renewable raw materials and continuously invest in research and development. The result: certified, high-quality products that meet the highest industry standards.

TRUST AND CERTIFICATIONS

Rely on quality that is not only good for you, but also good for our planet! Our certified, sustainable products offer you maximum performance and a good feeling at the same time. Thanks to environmentally friendly production and strict sustainability goals guaranteed through industrial agreed certificates, you actively contribute to protecting our environment — without compromising on quality.

Almost every product can be offered as tested and certified according to the highest environmental and ethical criteria. Put your trust in products that take responsibility - for nature, for future generations and for you.

OUR CERTIFICATES

SILVER | Top 15%
ecovadis
Sustainability Rating
APR 2025

Responsible Care®
OUR COMMITMENT TO SUSTAINABILITY

AEO

TÜVNORD
TÜV NORD CERT GmbH
DIN EN ISO 9001
DIN EN ISO 14001
DIN EN ISO 50001
DIN ISO 45001
tuev-nord.de

HALAL
HALAL CONTROL

KLBD

DE-ÖKO-003
BIO

CERTIFIED SUSTAINABLE PALM OIL
RSPO
9-5085-23-100-00

LATEST CERTIFICATION: ISCC PLUS

The ISCC Plus (International Sustainability & Carbon Certification Plus) is an internationally accepted system that helps companies establish sustainable, traceable supply chains. It ensures that products and raw materials are obtained from sustainable sources and meet environmental and social standards.

With the ISCC Plus certification, companies can transparently communicate their climate goals and provide verifiable proof of product origin, building trust with consumers and business partners.

Since 2024 LEVACO has been successfully certified for using bio-circular ethylene oxide to offer an almost infinite variety of sustainable products to meet your requierements. The correct and unique allocation of the bio-circular EO to the end product is guaranteed by the mass balance approach implemented at LEVACO.

PRODUCT CATEGORIES

NATURAL ALCOHOL ETHOXYLATES

As native, naturally derived products natural fatty alcohol ethoxylate are seen as a sustainable, eco-conscious option in a wide range of industries. They are excellent low foaming emulsifiers and more stable in hard water conditions compared to many other alternatives, which improves their cleaning and emulsifying power.

Product	Chemical description	CAS-Nr.	Aggregate/ conc.	Product description
LUCRAMUL C10/585	Fatty alcohol C10 + 5 EO	26183-52-8	liquid, 85%	wetting and degreasing for various industrial applications
LUCRAMUL 1204	Fatty alcohol C12/14 + 4 EO	68439-50-9	liquid, 100%	emulsifier for various industrial applications
LUCRAMUL 1207	Fatty alcohol C12/14 + 7 EO	68551-12-2	liquid, 100%	classical emulsifier for a variety of applications
LUCRAMUL 12036	Fatty alcohol C12/16 + 3.6 EO	68551-12-2	liquid, 100%	emulsifier with clearly defined EO grade
LUCRAMUL L 03	Fatty alcohol C12/18 + 3 EO	68213-23-0	liquid, 100%	emulsifier useable in lubricant applications, coatings and specialized cleaning, metal cleaning
LUCRAMUL L 07	Fatty alcohol C12/18 + 7 EO	68213-23-0	liquid, 100%	emulsifier for multiple applications with an outbalanced HLB value
LUCRAMUL L 10	Fatty alcohol C12/18 + 10 EO	68213-23-0	liquid, 100%	excellent cleaning and emulsifying properties with enhanced water solubility and reduced surface tension
LUCRAMUL L 30	Fatty alcohol C12/18 + 30 EO	68213-23-0 (CLP-label free)	liquid, 100%	CLP-label free emulsifier with high hydrophilic content and good emulsifying, foaming, and wetting properties
LUCRAMUL 1803	Fatty alcohol C16/18 + 3 EO	68439-49-6	solid, 100%	lower ethoxylation (3 EO) gives it a balance of mildness and performance
LUCRAMUL 1820	Fatty alcohol C16/18 + 20 EO	68439-49-6	solid, 100%	exhibit improved water solubility and better emulsifying abilities compared to products with lower EO levels, highly effective in stabilizing emulsions and creating stable formulations
LUCRAMUL 1820 liq.	Fatty alcohol C16/18 + 20 EO	68439-49-6	liquid, 15%	
LUCRAMUL 1807	Fatty alcohol C18 + 7 EO	9005-00-9 (CLP-label free)	solid, 100%	CLP-label free emulsifier with moderate level of ethoxylation
LUCRAMUL 1850	Fatty alcohol C18 + 50 EO	9005-00-9 (CLP-label free)	solid, 100%	CLP-label free emulsifier with high water solubility
LUCRAMUL 182 DB	C16/18 + C18 unsat. + 2 EO	68920-66-1	liquid, 100%	oil soluble emulsifier for metal working and lubricant applications
LUCRAMUL 185 DB	C16/18 + C18 unsat. + 5 EO	68920-66-1	liquid, 100%	outbalanced emulsifier for metal working and lubricant applications
LUCRAMUL 1819 DB	C16/18 + C18 unsat. + 19 EO	68920-66-1	liquid, 100%	emulsifier with higher EO content useable in bio-diesel, lubricants or corresponding applications

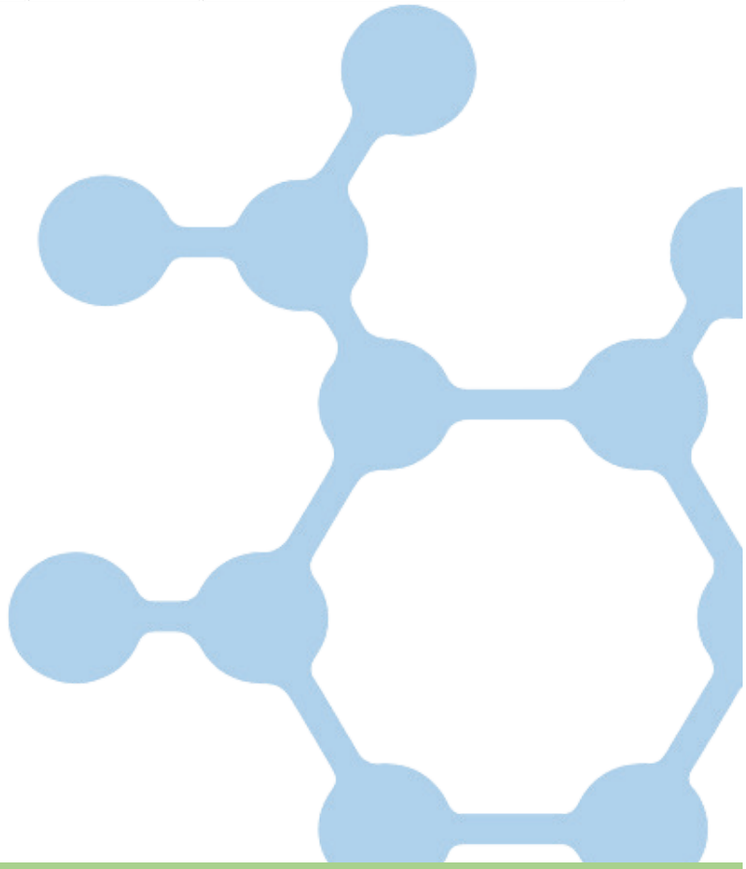
SYNTHETIC ALCOHOL ETHOXYLATES

Synthetic alcohol ethoxylates deliver excellent surfactant properties such as high emulsifying, wetting, foaming and detergency capabilities. This makes them suitable for a wide range of products including cleaners, detergents, emulsions and personal care items. They can be precisely tailored by adjusting the ethoxylation level, allowing manufacturers to customize the surfactant's characteristics, such as foaming ability, solubility and wetting properties.

Product	Chemical description	CAS-Nr.	Aggregate/ conc.	Product description
LUCRAMUL EH 04	2-Ethylhexanol + 4 EO	26468-86-0	liquid, 100%	good wetting emulsifier, low foaming, surfactant that balances water solubility and hydrophobicity, making it effective for various applications
LUCRAMUL EH 06	2-Ethylhexanol + 6 EO	26468-86-0	liquid, 100%	
LUCRAMUL EH 15	2-Ethylhexanol + 15 EO	26468-86-0	liquid, 100%	choice for formulations requiring enhanced solubility, emulsification, dispersing properties
LUCRACHEM S 01	2-Ethylhexanol + 4 EO (narrow range)	26468-86-0	liquid, 100%	narrow range emulsifier for specialized cleaning and low odor
LUCRAMUL 9103	C9/11 alcohol + 3 EO	68439-46-3	liquid, 100%	offers moderate emulsifying, wetting, and foaming properties, hydrophobic character
LUCRAMUL 9106	C9/11 alcohol + 6 EO	68439-46-3	liquid, 100%	offers moderate emulsifying, wetting, and foaming properties
LUCRACHEM S 02	C9/11 alcohol + 4 EO (narrow range)	68439-46-3	liquid, 100%	narrow range emulsifier for specialized cleaning and low odor
LUCRAMUL C 10/6	*i*-C9-11 alcohol, C10-rich + 6 EO	78330-20-8 (CLP-label free)	liquid, 100%	CLP-label free, improved wetting and emulsification

SYNTHETIC ALCOHOL ETHOXYLATES

Product	Chemical description	CAS-Nr.	Aggregate/ conc.	Product description
LUCRAMUL 2304	C12/13 alcohol + 4 EO	66455-14-9	liquid, 100%	moderately soluble in water while maintaining its ability to interact effectively with oils and other hydrophobic substances
LUCRAMUL 2307	C12/13 alcohol + 7 EO	66455-14-9	liquid, 100%	improved water solubility and effective emulsification in hydrophilic systems
LUCRAMUL 2310	C12/13 alcohol + 10 EO	66455-14-9	liquid, 100%	well balanced emulsifier
LUCRAMUL ITD 3	*i*-C13 alcohol + 3 EO	69011-36-5	liquid, 100%	wetting and emulsifying properties in hydrophobic systems
LUCRAMUL ITD 6	*i*-C13 alcohol + 6 EO	69011-36-5	liquid, 100%	classical nonionic emulsifier
LUCRAMUL ITD 8 90	*i*-C13 alcohol + 8 EO	69011-36-5	liquid, 90%	well balanced emulsifier and wetting agent
LUCRAMUL C 13/3	*i*-C11-14 alcohol, C13-rich + 3 EO	78330-21-9	liquid, 100%	emulsification, wetting, and dispersing in both water-based and oil-based systems
LUCRAMUL C 13/5	*i*-C11-14 alcohol, C13-rich + 5 EO	78330-21-9	liquid, 100%	
LUCRAMUL C 13/6	*i*-C11-14 alcohol, C13-rich + 6 EO	78330-21-9	liquid, 100%	
LUCRAMUL C 13/8	*i*-C11-14 alcohol, C13-rich + 8 EO	78330-21-9	liquid, 100%	well balanced emulsifier, wetting, and dispersing in both water-based and oil-based systems



ARYL ALCOHOL ETHOXYLATES

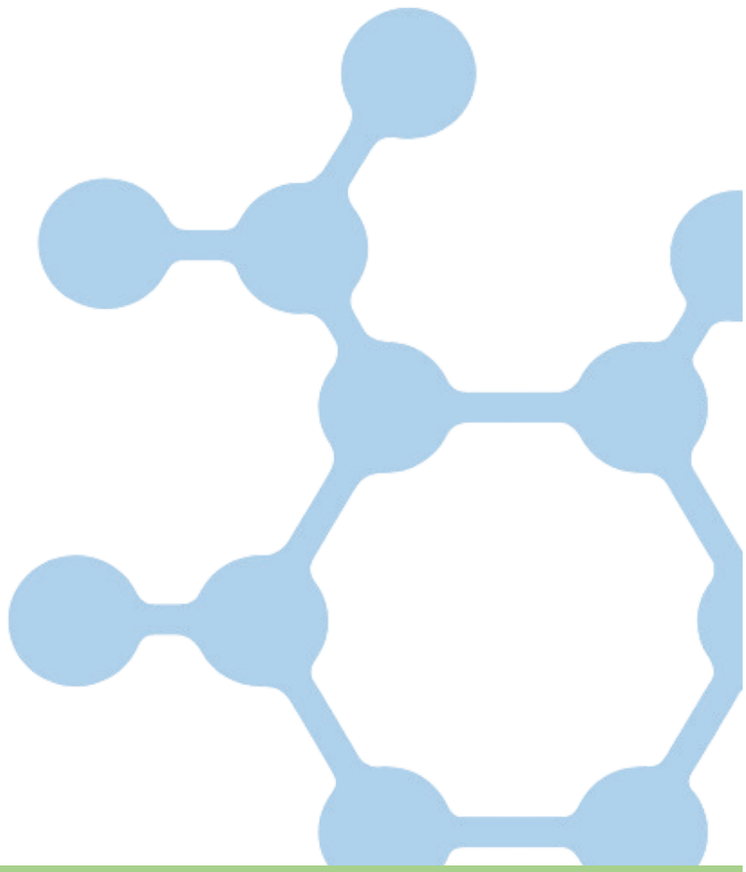
Aryl alcohol ethoxylates are known for their superior wetting, emulsifying and dispersing abilities. This makes them highly effective in a variety of applications such as emulsions, agrochemical compounds and industrial cleaning agents, when strong surface interaction is crucial. These surfactants can be engineered to produce low or controlled foam, which is beneficial in applications where excessive foam could interfere with processes, such as in industrial cleaning or in systems requiring efficient rinsing.

Product	Chemical description	CAS-Nr.	Aggregate/ conc.	Product description
LUCRAMUL PS 10	TSP* + 10 EO	104376-75-2	liquid, 100%	ability to emulsify oils, interacts with water-based ingredients, results in excellent performance in applications where stable emulsions are required
LUCRAMUL PS 25	TSP* + 25 EO	104376-75-2 (CLP-label free)	liquid, 100%	CLP-label free, excellent performance for applications requiring strong water solubility and the ability to emulsify oils and other hydrophobic substances
LUCRAMUL PS 29	TSP* + 29 EO	104376-75-2 (CLP-label free)	paste, 100%	
LUCRAMUL PS 40	TSP* + 40 EO	104376-75-2 (CLP-label free)	solid, 100%	CLP-label free emulsifier, high solubility and emulsifying power improve product stability and performance
LUCRAMUL PS 54	TSP* + 54 EO	104376-75-2 (CLP-label free)	solid, 100%	
LUCRAMUL PMS 16	Tris(methylstyryl) phenol + 16 EO	73297-33-3	liquid, 100%	helps disperse pigments or additives evenly

*TSP = Tristyrylphenol

ARYL ALCOHOL ETHOXYLATES

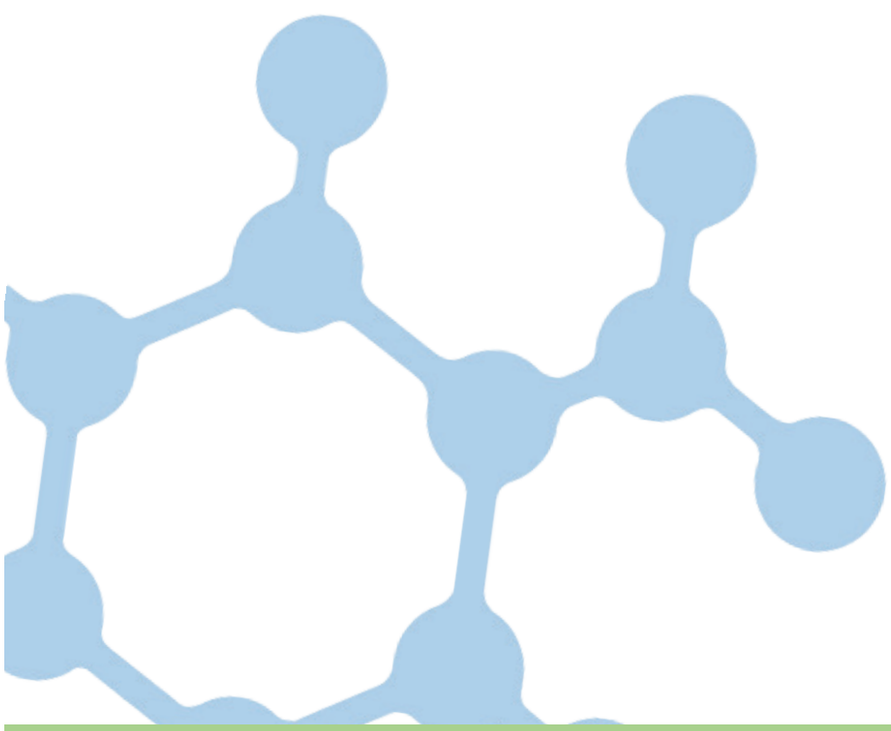
Product	Chemical description	CAS-Nr.	Aggregate/ conc.	Product description
LUCRAMUL PMS 97	Tris(methylstyryl) phenol + 97 EO	73297-33-3 (CLP-label free)	solid, 100%	emulsifier and dispersant for various industrial applications like pigment dispersions
LUCRAMUL RL	Styrenated phenol + EO	104376-75-2	liquid, 100%	improves the dispersion of pigments, active ingredients, and other components, improving the overall performance of formulations
LUCRAMUL DSP 03	Distyrylphenol + 3 EO	9086-52-6	liquid, 100%	emulsifies oils, greases, and dirt, enhancing cleaning performance, suppresses crystal growth
LUCRACHEM P 4	Phenol + 4 EO	9004-78-8	liquid, 100%	multifunctional additive, which works for example as wetting agent, emulsifier for oils, co-solvent and plasticizer
LUCRAMUL BN 12	Beta-Naphthol + 12 EO	35545-57-4	liquid, 100%	versatile and effective nonionic surfactant with moderate emulsification, wetting, and dispersing properties



POLYSORBATES

Polysorbates function as emulsifiers, stabilizers, and dispersing agents. Polysorbates are used across multiple industries beyond personal care and food, including pharmaceuticals, agriculture and industrial cleaning.

Product	Chemical description	CAS-Nr.	Aggregate/ conc.	Product description
LUCRAMUL SHO 40	Sorbitol hexaoleate + 40 EO	57171-56-9 (CLP-label free)	liquid, 100%	emulsifier for vegetable oils or comparable oils
LUCRAMUL SHO 40 E	Sorbitol hexaoleate + 40 EO, desalted	57171-56-9 (CLP-label free)	liquid, 100%	
LUCRAMUL SHO 50	Sorbitol hexaoleate + 50 EO	57171-56-9 (CLP-label free)	liquid, 100%	
LUCRAMUL SML 20	Sorbitan monolaurate + 20 EO	9005-64-5 (CLP-label free)	liquid, 97%	high degree of hydrophilicity, making it excellent for emulsifying oils and water in various formulations
LUCRAMUL SML 08	Sorbitan monolaurate + 8 EO	9005-64-5 (CLP-label free)	liquid, 100%	moderate degree of hydrophilicity, making it excellent for emulsifying apolar oils and water in various formulations
LUCRAMUL SMO 20	Sorbitan monooleate + 20 EO	9005-65-6	liquid, 100%	improves pigment dispersion, enhances stability, and facilitates smooth application
LUCRAMUL STO 20	Sorbitan trioleate + 20 EO	9005-70-3 (CLP-label free)	liquid, 100%	excellent choice for emulsifying oil and water-based ingredients, ensuring stable emulsions and uniform distribution



NATURAL OIL ETHOXYLATES

Natural oil ethoxylates are an appealing option for industries seeking high-performance, sustainable, and skin-friendly surfactants. They combine eco-friendliness with the functional benefits of surfactants, making them suitable for both consumer and industrial applications.

Product	Chemical description	CAS-Nr.	Aggregate/ conc.	Product description
LUCRAMUL CO 11	Castor oil + 11 EO	61791-12-6 (CLP-label free)	liquid, 100%	provide stable emulsions, improve dispersion of oils and active ingredients, and are biodegradable and mild, making them suitable for environmentally conscious and skin-friendly formulations
LUCRAMUL CO 18	Castor oil + 18 EO	61791-12-6 (CLP-label free)	liquid, 100%	
LUCRAMUL CO 26	Castor oil + 26 EO	61791-12-6 (CLP-label free)	liquid, 100%	
LUCRAMUL CO 30	Castor oil + 30 EO	61791-12-6 (CLP-label free)	liquid, 100%	
LUCRAMUL CO 35 A	Castor oil + 35 EO	61791-12-6 (CLP-label free)	liquid, 100%	
LUCRAMUL CO 40	Castor oil + 40 EO	61791-12-6 (CLP-label free)	liquid, 100%	
LUCRAMUL CO 48 C	Castor oil + 48 EO	61791-12-6 (CLP-label free)	liquid, 100%	
LUCRAMUL CS 08	Ester of natural oil ethoxylate	CLP-label free	liquid, 100%	emulsifiers for vegetable oil
LUCRAMUL CS 02	Ester of natural oil ethoxylate	CLP-label free	liquid, 100%	
LUCRAMUL COH 07	Hydrogenated Castor oil + 7 EO	61788-85-0 (CLP-label free)	liquid, 100%	provide stable emulsions, improve dispersion of oils and active ingredients, and are biodegradable and mild, making them suitable for environmentally conscious and skin-friendly formulations
LUCRAMUL COH 16	Hydrogenated Castor oil + 16 EO	61788-85-0 (CLP-label free)	liquid, 100%	
LUCRAMUL COH 40	Hydrogenated Castor oil + 40 EO	61788-85-0 (CLP-label free)	liquid, 100%	
LUCRAMUL SO 21	Soybean oil + 21 EO	61791-23-9 (CLP-label free)	liquid, 100%	form stable emulsions and enhance the performance of products across a variety of industries

SPECIALIZED ALKOXYLATES

Product	Chemical description	CAS-Nr.	Aggregate/ conc.	Product description
LUCRAMUL EH6P	2-Ethylhexanol + 6 PO	72136-61-9	liquid, 100%	self-emulsifying defoamer
LUCRAMUL WT 200	2-Ethylhexanol + PO	blend	liquid, 100%	low foaming wetting agent
LUCRAMUL WT 100	2-Ethylhexanol + EO/PO	64366-70-7	liquid, 100%	low foaming wetting and penetration agent
LUCRAMUL WT 110	2-Ethylhexanol + EO/PO	64366-70-7	liquid, 100%	low foaming wetting agents
LUCRAMUL WT 150	2-propylheptanol + EO/PO	166736-08-9	liquid, 100%	
LUCRAMUL WT 400	C9/11 alcohol + EO/PO	103818-93-5	liquid, 100%	
LUCRAMUL WT 500	C9/11 alcohol + EO/PO	103818-93-5	liquid, 100%	
LUCRAMUL AG 105	C9/11 alcohol + EO/PO	103818-93-5	liquid, 100%	
LUCRAMUL WT 410	Fatty alcohol C10/12 + EO/PO	68154-97-2	liquid, 100%	
LUCRAMUL WT 700	Fatty alcohol C12/14 + EO/PO	68439-51-0	liquid, 100%	
LUCRACHEM VLF 02	Synthetic alcohol + EO/PO	CLP-label free	liquid, 100%	
LUCRAMUL WT 600	*i*-C9-11 alcohol, C10-rich EO + EO/PO	154518-36-2	liquid, 100%	
LUCRAMUL WT 300 90%	*i*-C13 alcohol (Iso tridecyl alcohol) + EO/PO	63466-91-1	liquid, 90%	
LUCRAMUL CS 05	Fatty alcohol + EO/PO	CLP-label free	liquid, 100%	multipurpose non-ionic emulsifiers
LUCRAMUL CS 06	Fatty alcohol + EO/PO	CLP-label free	liquid, 100%	
LUCRAMUL CS 07	Fatty alcohol + EO/PO	CLP-label free	liquid, 100%	
LUCRACHEM VLF 01	Fatty alcohol + EO/PO	CLP-label free	liquid, 100%	alkoxylated and low foaming surfactant
LUCRACHEM VLF 03	Fatty alcohol + EO/PO	CLP-label free	liquid, 100%	alkoxylated foam control agent
LUCRAMUL AG 109	Fatty alcohol + EO/PO	CLP-label free	liquid, 100%	multipurpose non-ionic emulsifier

SPECIALIZED ALKOXYLATES

Product	Chemical description	CAS-Nr.	Aggregate/ conc.	Product description
LUCRACHEM IM S 01	Fatty alcohol + PO, desalted	CLP-label free	liquid, 100%	hydrophobic emulsifier used as intermediate and for various industrial application
LUCRACHEM BP 01	Butanol + PO	9003-13-8	liquid, 100%	building blocks in industrial synthesis of lubricants, hydraulic fluids, defoamers, plasticizers (tissue and paper coatings) and as co-solvents for inks and dyes
LUCRACHEM BP 02	Butanol + PO	9003-13-8	liquid, 100%	
LUCRACHEM BP 04	Butanol + PO	9003-13-8	liquid, 100%	
LUCRACHEM BP 05	Butanol + PO, desalted	9003-13-8	liquid, 100%	
LUCRACHEM BEP 01	Butanol + EO/PO	9038-95-3 (CLP-label free)	liquid, 100%	high molecular weight multipurpose non-ionic emulsifying and dispersing agents
LUCRAMUL AG 411	Butanol + EO/PO	9038-95-3	liquid, 100%	
LUCRAMUL AG 411 B	Butanol + EO/PO	9038-95-3 (CLP-label free)	liquid, 100%	
LUCRAMUL AG 412	Butanol + EO/PO	9038-95-3 (CLP-label free)	liquid, 100%	
LUCRAMUL AG 433	Butanol + EO/PO	9038-95-3 (CLP-label free)	liquid, 100%	
LUCRACHEM IM A 01	Allyl alcohol + EO/PO	9041-33-2	liquid, 100%	functional monomer for polymerization processes like poly-vinyl production and emulsion polymerization
LUCRACHEM IM A 02	Allyl alcohol + EO	27274-31-3	liquid, 100%	synthetic building block (functional monomer) for emulsion polymerization or other polymerization processes
LUCRACHEM T 1010	TMDD + EO	9014-85-1	liquid, 100%	highly potent and low foaming silicone-free levelling and wetting agent
LUCRACHEM VLF 04	Modified alkyl polyglycol ether	CLP-label free	liquid, 100%	low foaming specialty detergent especially for ADW applications
LUCRAMUL AG 201	TSP* + EO/PO	CLP-label free	liquid, 100%	emulsifiers, soluble in org. solvents
LUCRAMUL AG 202	TSP* + EO/PO	CLP-label free	liquid, 100%	
LUCRAMUL AG 203	TSP* + EO/PO	CLP-label free	liquid, 100%	
LUCRAMUL DA PRIME	Aryl phenyl + EO/PO	408519-58-4	liquid, 100%	ensures the stable dispersion of pigments and active ingredients, improves the rheological properties of the formulations
LUCRAMUL BNR	Beta-Naphthol + EO/PO	63950-87-8	liquid, 100%	acid-resistant surfactant and carrier for metal plating applications, emulsifies various oils, especially aromatic solvents

*TSP = Tristyrylphenol

EO/PO BLOCK COPOLYMERS

EO/PO block copolymers provide a highly adaptable and efficient solution for surfactant and emulsifying needs. Their versatility, customizability, low toxicity, and environmental compatibility make them an excellent choice for a wide range of applications, from personal care and household cleaners to industrial formulations. Their ability to be tailored to specific needs ensures that manufacturers can create products with desired attributes, including foam control, emulsification and solubilization, while maintaining cost-efficiency and performance across various industries.

Product	Chemical description	CAS-Nr.	Aggregate/ conc.	Product description
LUCRACHEM EPC 01	EO/PO block copolymer	CLP-label free	liquid, 100%	
LUCRACHEM EPC 02	EO/PO block copolymer	CLP-label free	liquid, 100%	
LUCRACHEM EPC 0250	EO/PO block copolymer	CLP-label free	liquid, 50%	
LUCRACHEM EPC 03	EO/PO block copolymer	CLP-label free	liquid, 100%	
LUCRACHEM EPC 04	EO/PO block copolymer	CLP-label free	liquid, 100%	
LUCRACHEM EPC 05	EO/PO block copolymer	CLP-label free	liquid, 100%	
LUCRACHEM EPC 06	EO/PO block copolymer	CLP-label free	liquid, 100%	
LUCRACHEM EPC 07	EO/PO block copolymer	CLP-label free	solid, 100%	low foaming possible to tailor the properties of the copolymer for specific applications
LUCRACHEM EPC 0750	EO/PO block copolymer	CLP-label free	liquid, 50% in MPG	
LUCRACHEM EPC 0718	EO/PO block copolymer	CLP-label free	liquid, 18%	
LUCRACHEM EPC 08	EO/PO block copolymer	CLP-label free	liquid, 100%	
LUCRACHEM EPC 09	EO/PO block copolymer	CLP-label free	solid, 100%	
LUCRACHEM EPC 10	EO/PO block copolymer	CLP-label free	solid, 100%	
LUCRACHEM EPC 11	EO/PO block copolymer	CLP-label free	liquid, 100%	
LUCRACHEM EPC 12	EO/PO block copolymer	CLP-label free	liquid, 100%	
LUCRACHEM EPC 13	EO/PO block copolymer	CLP-label free	liquid, 100%	

FATTY ACID & AMIDE ALKOXYLATES

Amide ethoxylates are widely known for their superior emulsifying, wetting, and dispersing abilities. These properties make them effective in detergents, and industrial cleaning formulations, where stable emulsions and effective cleaning are required. Amide ethoxylates exhibit good compatibility with other ingredients in formulations, which improves the overall stability and effectiveness of the final product. Derived from renewable sources like plant oils (e.g., palm), fatty acid alkoxylates are biodegradable and generally considered more environmentally friendly than many synthetic surfactants. Their natural origin aligns well with the increasing demand for sustainable and eco-conscious products.

Product	Chemical description	CAS-Nr.	Aggregate/ conc.	Product description
LUCRAMUL SA 9 V	C16/18 fatty acid + 9 EO	68989-61-7 (CLP-label free)	liquid, 100%	strong emulsifying properties
LUCRAMUL OA 07	Oleic acid + 7 EO	68154-25-6 (CLP-label free)	liquid, 100%	moderately hydrophilic nonionic surfactants that provide effective emulsification, wetting, and dispersing properties
LUCRAMUL OA 10	Oleic acid + 10 EO	68154-25-6 (CLP-label free)	liquid, 100%	
LUCRAMUL CFA 10	Coconut fatty acid + 10 EO	61791-29-5 (CLP-label free)	liquid, 100%	effective emulsifiers for both oil and water phases helps form stable emulsions in formulations
LUCRAMUL IK 7	Coconut fatty acid + 7 EO	61791-29-5 (CLP-label free)	liquid, 100%	
LUCRAMUL A 5496	Ethoxylated blend of fatty acids	blend	liquid, 100%	emulsifier
LUCRAMUL CFA 1003	Coconut fatty acid + EO/PO	CLP-label free	liquid, 100%	low foaming, effective emulsifier for both oil and water phases that helps forming stable emulsions
LUCRAMUL T 1004	Fatty acid + EO/PO	CLP-label free	liquid, 100%	emulsifier
LUCRAMUL CF	Fatty acid amide + EO/PO	CLP-label free	liquid, 100%	emulsifying and stabilizing oil-in-water or water-in-oil emulsions, preventing phase separation over time
LUCRAMUL U	Rosin polyglycol ester	CLP-label free	solid, 100%	dispersant, highly functional for graphite

AMINE ALKOXYLATES

These surfactants are particularly effective at reducing surface tension, enabling better penetration and wetting of surfaces. This makes them ideal for cleaning applications where deep penetration into surfaces or fabrics is required.

Product	Chemical description	CAS-Nr.	Aggregate/ conc.	Product description
LUCRAMUL KFA 05	Coconut fatty amine + 5 EO	61791-14-8	liquid, 100%	emulsifiers, wetting agents, corrosion inhibitors, antistatic agents and chemical intermediates
LUCRAMUL KFA 12	Coconut fatty amine + 12 EO	61791-14-8	liquid, 100%	
LUCRAMUL KFA 15	Coconut fatty amine + 15 EO	61791-14-8	liquid, 100%	
LUCRAMUL KFA 20	Coconut fatty amine + 20 EO	61791-14-8	liquid, 100%	
LUCRACHEM TEA 8	Triethanolamine + 8 EO	36936-60-4 (CLP-label free)	liquid, 100%	intermediates in the surfactant industry or antistatic agents in different industries
LUCRACHEM TEA 10	Triethanolamine + 10 EO	36936-60-4 (CLP-label free)	liquid, 100%	
LUCRACHEM TEA 18	Triethanolamine + 18 EO	36936-60-4 (CLP-label free)	liquid, 100%	
LUCRACHEM EDEP 01	Ethylene diamine + EO/PO	CLP-label free	liquid, 100%	wetting agents, tinting strength enhancers and paint stabilizers
LUCRACHEM EDEP 02	Ethylene diamine + EO/PO	CLP-label free	liquid, 100%	

ETHOXYLATED PHOSPHATE ESTERS

Ethoxylated phosphate esters exhibit stability in both high pH and high-temperature environments, making them particularly useful in challenging conditions. They are excellent at dispersing solid particles in aqueous solutions, important to prevent the aggregation of particles and ensure uniform dispersion. Additionally, phosphate esters can offer antistatic and temporary anti-corrosive properties to formulations.

Product	Chemical description	CAS-Nr.	Aggregate/ conc.	Product description
LUCRAMUL PPS 16	TSP* + 16 EO phosphate ester	114535-82-9	liquid, 100%	dispersing agents
LUCRAMUL PPS A 16	TSP* + 16 EO phosphate ester, ammonium salt	CLP-label free	liquid, 100%	
LUCRAMUL PPS A 16/60	TSP* + 16 EO phosphate ester, ammonium salt	CLP-label free	liquid 60% in water/MPG	
LUCRAMUL PPS K 16	TSP* + 16 EO phosphate ester, potassium salt	CLP-label free	liquid 40% in MPG	
LUCRAMUL CHS	*i*-C13 alcohol + 6 EO phosphate ester	9046-01-09	liquid, 100%	dispersing agents, temporary corrosion inhibitors, antistatics
LUCRAMUL CS 03	C12/14 alcohol + 4 EO phosphate ester	68511-37-5	liquid, 100%	
LUCRAMUL CS 04	C16/18 + C18 unsat. alcohol + 3 EO phosphate ester	39464-69-2	liquid, 100%	dispersing agent, temporary corrosion inhibitiors, antistatics, lubricant additives
LUCRAMUL C4P 100	Butyl phosphate ester	12788-93-1	liquid, 100%	REACh registered, oil soluble temporary corrosion inhibitors, antistatics
LUCRAMUL AP	Ester of phosphonosuccinic acid	121375-86-8	liquid, 100%	dispersing agents specialized for inorganic particles
LUCRAMUL NAP	Ester of phosphonosuccinic acid, TEA neutralized	1800028-83-4	liquid, 80%	

*TSP = Tristyrylphenol

QUATS

The surfactant are generally stable across a wide range of pH levels and temperatures, ensuring consistent performance even in harsh environments or products exposed to varying conditions. This makes them suitable for a variety of industrial applications.

Product	Chemical description	CAS-Nr.	Aggregate/ conc.	Product description
LUCRAMUL KFA 05 M	Coconut fatty ammonium + 5 EO methyl sulfate	68989-03-07	liquid, 100%	provide excellent emulsification, conditioning, foam stability, and antistatic properties
LUCRAMUL KFA 15 M	Coconut fatty ammonium + 15 EO methyl sulfate	68989-03-07	liquid, 100%	

SPECIALIZED ANIONIC SURFACTANTS (SULFATES/SULFONATES)

Product	Chemical description	CAS-Nr.	Aggregate/ conc.	Product description
LUCRAMUL L 03 S	Fatty alcohol C12/18 + 3 EO	68610-22-0	liquid, 21.5%	o/w-emulsifier for emulsion polymerization, additionally dispersant and wetting agent in water-based formulations
LUCRAMUL SPS 16	TSP* + 16 EO ammonium sulfate	119432-41-6	liquid, 100%	emulsifier and dispersing agents for various industrial applications
LUCRAMUL SPS 29	TSP* + 29 EO ammonium sulfate	119432-41-6	liquid, 100%	
LUCRAMUL DBA B	Calcium dodecylbenzene sulfonate in *n*-Butanol	1335202-81-7	liquid, 67%	emulsifiers, soluble in org. solvents
LUCRAMUL DBIB	Calcium dodecylbenzene sulfonates in *i*-Butanol	1335202-81-7	liquid, 70%	
LUCRAMUL DBEH 61%	Calcium dodecylbenzene sulfonates in 2-EH	1335202-81-7	liquid, 61%	
LUCRAMUL DAC 211	Ketone and bisulfite condensate	CLP-label free	liquid, 35%	polymeric dispersing agents for water-based formulations
LUCRAMUL DAC 222	Naphthalene sulfonate condensate	CLP-label free	solid, 82%	
LUCRAMUL DAC 230	Naphthalene sulfonate condensate	68425-94-5	solid, 95%	polymeric dispersing agents for water-based formulations
LUCRAMUL DAC 240	Naphthalene sulfonate	1322-93-6	solid, 75%	multipurpose low foaming anionic dispersing and wetting agent and hydrotrope

*TSP = Tristyrylphenol

DEFOAMERS

Besides the defoamers listed LEVACO also offer a large variety of defoamer specialized on aspects of paper and food manufacturing. As these applications are highly specialized, please contact our experts with in-depth knowledge especially in dedicated application areas like sugar, yeast, potato processing and waste water treatment. Get in touch with LEVACO's defoamer experts.

Product	Chemical description	CAS-Nr.	Aggregate/ conc.	Product description
LUCRAFOAM S 01	Polydimethylsiloxane dispersion	blend	liquid, 3%, aqueous	cost-effective all-round silicone defoamer
LUCRAFOAM S 02	Polydimethylsiloxane dispersion	blend	liquid, 3%, aqueous	low silicone content defoamer for water-based anionic or cationic surfactant systems, shear stable and with high defoaming dynamic
LUCRAFOAM S 03 N	Modified polydimethylsiloxane dispersion	blend	liquid, 5%, aqueous	modified, self-emulsifying silicone defoamer with no tendency to cause clumping or silicone spots like conventional silicone-based products
LUCRAFOAM S 05	Modified polydimethylsiloxane	blend	liquid, 20% in TXIB	waterless, low-viscosity, readily dispersible and relatively alkali-resistant defoamer with good deaeration properties
LUCRAFOAM S 06	Polysiloxane dispersion	blend	liquid, 30%, aqueous	excellent defoamer for demanding environments (high temperature, salinity, shear and extreme pH)
LUCRAFOAM ST	Emulsion of polyether siloxane copolymer and hydrophobic silica	blend	liquid, 20%, aqueous	excellent compatibility with different systems and can be also use in the grinding stage
LUCRAFOAM BA 2000	Vegetable oil/Fatty acid derivative/Alkyl polyglycol ether preparation	blend	liquid, 100%	silicone-free, biodegradable defoamer with adequate electrolyte and high temperature stability with effective at pH 2 – 14
LUCRAFOAM PDT	Preparation of stearates and mineral oil	blend	liquid, 100%	defoamer for aqueous or polar organic media effective in acid to strongly alkaline systems and high temperatures

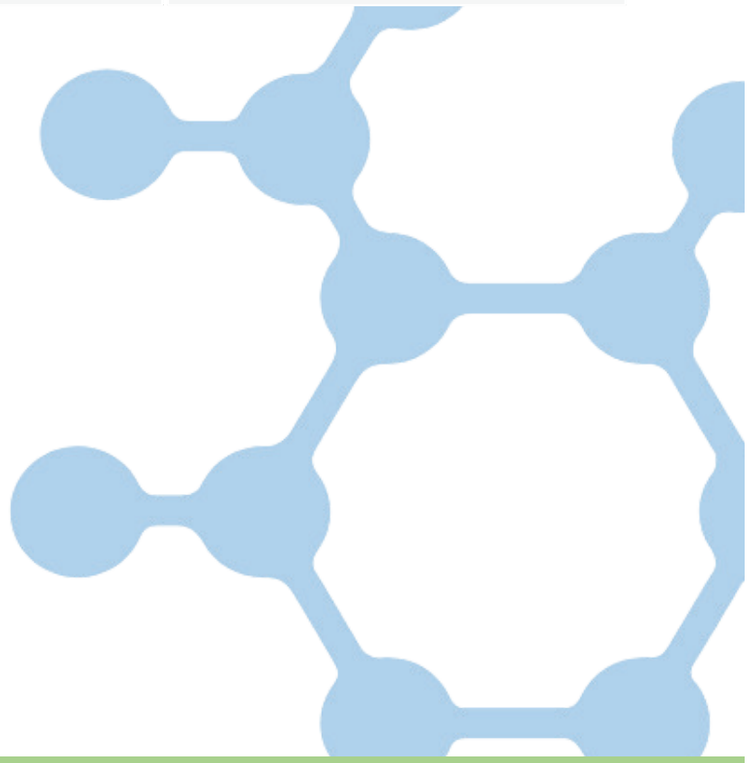
DEFOAMERS

Product	Chemical description	CAS-Nr.	Aggregate/ conc.	Product description
LUCRAFOAM E 100 conc.	Mono-, Di- and Triglycerides of fatty acids	CLP-label free	liquid, 100%	defoamer for aqueous media up to boiling temperatures in food or food-related applications, also known as food additive E 471
LUCRAFOAM 1573	Polyalkylene glycol	CLP-label free	liquid, 100%	defoamer for high temperature and high salinity environment, suitable for cooling systems as well as in the seawater desalination process
LUCRAFOAM 8058	Fatty acids, C14-18 and C16-18-unsatd. + EO	68154-25-6	liquid, 100%	mild defoamer for industrial applications like paper production
LUCRAFOAM DNE 01	Preparation of stearates and mineral oil	blend	liquid, 100%	remarkable alkali stability, performance similar to silicon based defoamers
LUCRAFOAM L	Soybean oil + EO/PO	106168-35-8	liquid, 65%	defoamer for aqueous systems with remarkable alkali stability
LUCRAFOAM PA 51 01	Preparation of fatty acid polyglycol ester and mineral oil	blend	liquid, 100%	defoamer, partly volatile in steam and resistant to acids and weak alkalis
LUCRAFOAM 1510	Blend of esters and modified glycerides	CLP-label free	liquid, 100%	defoamer with good foam knock-down and long-term effect, especially suitable for micro-organic applications like fermentation or wastewater treatment
LUCRAFOAM DDF	Salt of fatty acid	CLP-label free	solid, 100%	defoamer with good foam knock-down effect, especially suitable for solid formulations

POLYURETHANES AND POLYACRYLATES

Polyurethanes are a class of polymers composed of organic units joined by urethane links. These polymers are incredibly versatile and can be made into rigid or flexible forms, offering a broad range of mechanical, thermal and chemical properties. Polyacrylates are a family of synthetic polymers made from acrylate monomers. They are generally known for their ability to form clear, tough and chemically resistant materials. Polyacrylates are made by polymerizing acrylic acid and its derivatives (such as methyl methacrylate, butyl acrylate, etc.).

Product	Chemical description	CAS-Nr.	Aggregate/ conc.	Product description
LUCRACHEM VIS 1	Polyether polyurethane compound dispersion	blend	liquid, 50%	mid-shear associative thickener (HEUR) with low impact on low shear viscosity
LUCRACHEM VIS 2	Polyether polyurethane compound dispersion	blend	liquid, 22% in water/*i*-BuOH	mid-shear associative thickener (HEUR)
LUCRAMUL DA 345	Polyurethan Oligomer	blend	liquid, 98% in ethyl acetate	dispersing agent, especially carbon black
LUCRACHEM VIS 32	Thermoplastic methacrylic acid-acrylic ester copolymer	blend	liquid, 30%, aqueous	low shear, alkali swellable emulsion thickener (ASE)
LUCRAMUL GCP 01	Polymethyl methacrylate polyethylene glycol graft copolymer	CLP-label free	liquid, 33%, aqueous	dispersing agents
LUCRAMUL GCP 02 A	Polycarboxylate ether	blend	liquid, 32%, aqueous	
DEFOPOL SW 05 F	Polyacrylate	CLP-label free	solid, 100%	finely grind superabsorbers
DEFOPOL SW 10 F	Polyacrylate	CLP-label free	solid, 100%	
DEFOPOL SW 30 F	Polyacrylate	CLP-label free	solid, 100%	



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