BASF
We create chemistry

Pharma Solutions
Product Overview

Inspiring Medicines for Better Lives

BASF Pharma Solutions
pharma.basf.com
MarComm-2025-00064

We produce excipients and active ingredients of outstanding quality and performance. Our team of experienced industry specialists supports you in developing effective, reliable formulations – giving you a vital advantage in a highly demanding market.

Equipped with an in-depth understanding of multiple industries, technologies, and applications, we have the skills and resources to make drug manufacturing and drug delivery more efficient, robust, and cost-effective. Whether you want to make your medicine more effective, safer, or just more patient-friendly, BASF has the solution you need.

This brochure presents an overview of our leading-edge products, grouped in the following platforms: Orals, Topicals, Parenterals, Solubilization, Biopharma Ingredients and APIs. Details on functionality are clearly provided for each product – allowing you to quickly and easily find the right answers to your pharmaceutical formulation challenges.


Delivering
what
matters

Meet your Virtual Pharma Assistants!

At BASF, we know how important innovation, speed-to-market, and cost-effectiveness are to our pharmaceutical customers and collaboration partners. The Virtual Pharma Assistants bundle BASF's extensive expertise in formulation and regulatory/quality compliance. Whether you are looking for the right formulation or product solution or need compliance documentation, your Virtual Pharma Assistant is there, whenever and wherever you need it.

ZoomLab™
Your virtual formulation assistant

Save time and money.
Instantly predict your next formulation now!

RegXcellence®
Your virtual quality & regulatory assistant

Simplify the compliance process.
Instantly access documentation & more!

MyProductWorld
Your virtual product assistant

Find the optimal excipient or API solution for your next formulation challenge!

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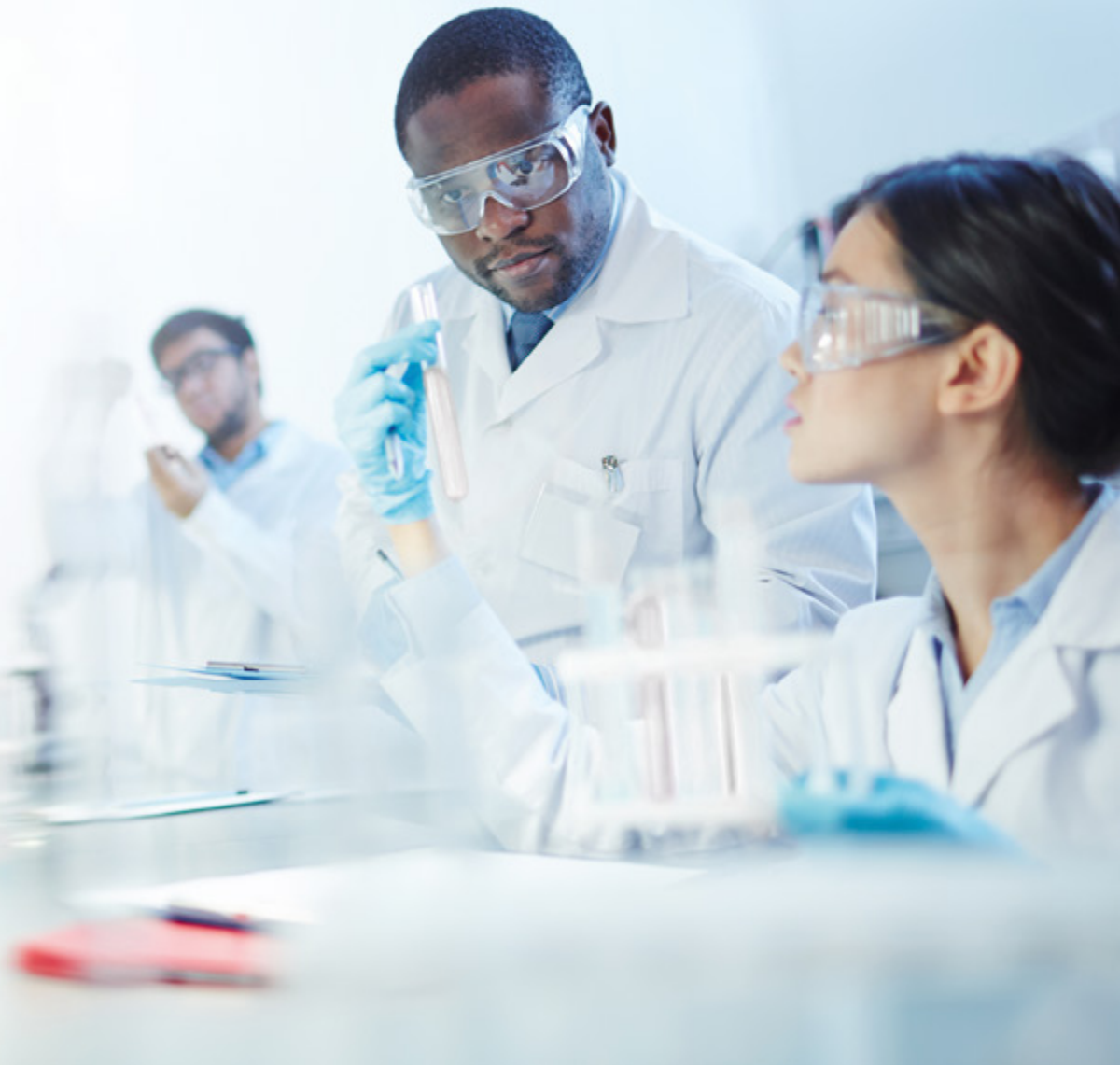
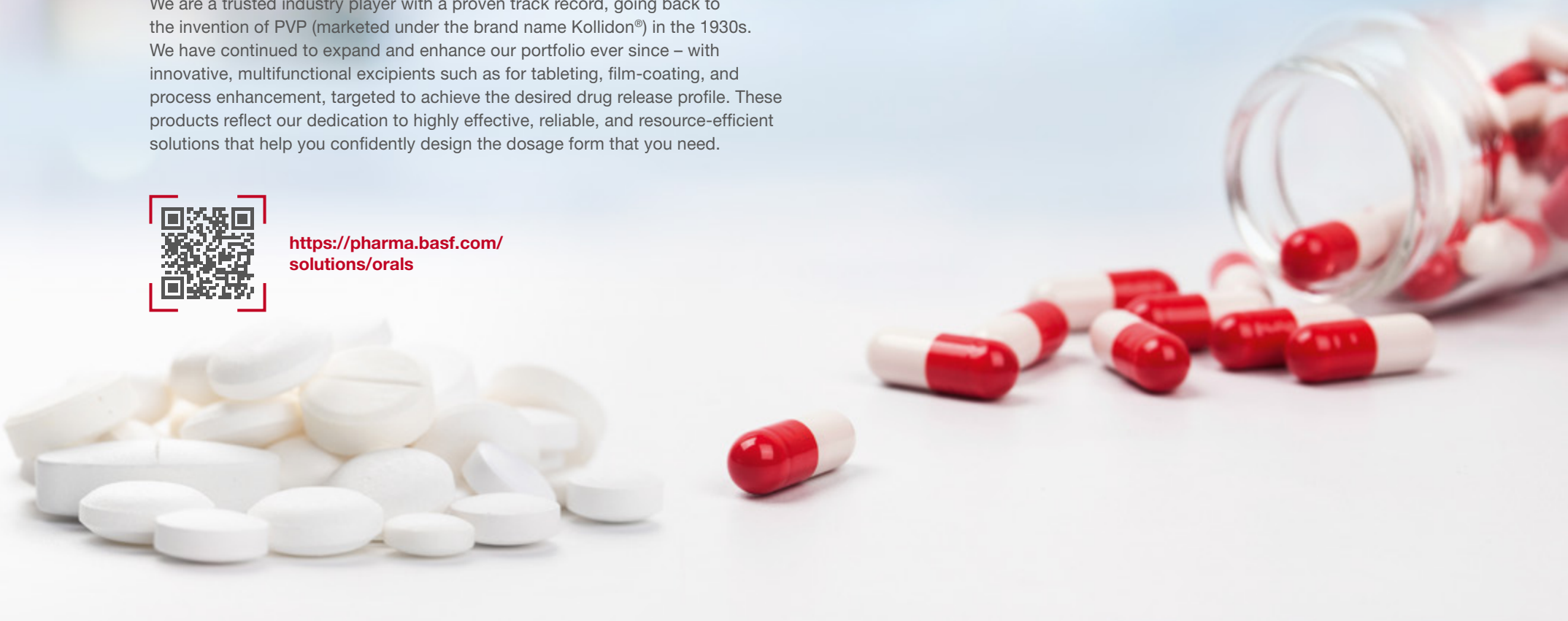


Orals

Our broad portfolio offers a range of functionalities for oral dosage forms designed to enhance their effectiveness and meet diverse needs in the market.Our high-quality products enable you to formulate pharmaceuticals with the exact release properties you desire. This ensures the right results every time – giving you that all-important competitive edge.

We are a trusted industry player with a proven track record, going back to the invention of PVP (marketed under the brand name Kollidon®) in the 1930s. We have continued to expand and enhance our portfolio ever since – with innovative, multifunctional excipients such as for tableting, film-coating, and process enhancement, targeted to achieve the desired drug release profile. These products reflect our dedication to highly effective, reliable, and resource-efficient solutions that help you confidently design the dosage form that you need.

https://pharma.basf.com/solutions/orals



Core formulation

Functionality	Process			Dosage form			Product		Description	Monograph title*/ Chemical name
	Direct compression	Dry granulation (incl. roller compaction)	Wet granulation	Tablets and capsules	Particles (granules, pellets, and MUPS)	ODT				
Binders			●	●	●	●	Kollidon® 25/ Kollidon® 30Δ	P	The PVP from the originator. Medium molecular weight povidone with PeroXeal® packaging for longer shelf life.	Ph. Eur., USP-NF, JP: Povidone
			●	●	●	●	Kollidon® 30 LP	P	Our low peroxide povidone 30 grade with an antioxidant to protect sensitive drugs from peroxides.	Ph. Eur., USP-NF, JP: Povidone
	●	●	●	●	●		Kollidon® 90 Evo	P	Highly effective water soluble binder with low impurity profile.	Ph. Eur., USP-NF, JP: Povidone
			●	●	●	●	Kollicoat® IR		Low viscous, soluble, and peroxide-free wet binder with great performance, and especially recommended for peroxide-sensitive drugs..	Ph. Eur.: Macrogol poly(vinyl alcohol) grafted copolymer; USP-NF: Ethylene glycol and vinyl alcohol graft copolymer; JPE: Polyvinyl alcohol-polyethylene glycol graft copolymer
	●	●	●	●	●		Kollidon® VA 64		Effective binder recommended for direct compression and dry & wet granulations. Excellent solubilizer matrix for ASD.	Ph. Eur., USP-NF: Copovidone; JPE: Copolyvidone
	●	●		●	●		Kollidon® VA 64 Fine		Highly efficient dry binder with fine particle size for improved compressibility indicated for dry granulation and direct compression. Extremely recommended for MUPS in tablets.	Ph. Eur., USP-NF: Copovidone; JPE: Copolyvidone
	●	●		●	●		Kollidon® CL-M		Dry binder recommended for dry granulation and direct compression with slight disintegration functionality.	Ph. Eur., USP-NF, JP: Crospovidone type B
	●	●		●	●	●	Kollidon® CL-SF	P	2 in 1 functionality: efficient dry binder with a disintegrant functionality, recommended for direct compression and dry granulation.	Ph. Eur., USP-NF, JP: Crospovidone type B
Disintegrants	●	●	●	●	●		Kollidon® CL	P	Fast and pH-independent disintegrant, presenting good tableting and solubilizing properties. Its working principle is swelling without gelling, allowing higher concentrations (5 to 15%) without negatively impacting the disintegration.	Ph. Eur., USP-NF, JP: Crospovidone type A
	●	●	●	●	●		Kollidon® CL-F	P	Fine crospovidone providing a balance of fast disintegration and optimal tableting properties, recommended for medium to large tablets.	Ph. Eur., USP-NF, JP: Crospovidone type A
	●	●	●	●	●	●	Kollidon® CL-SF	P	Superdisintegrant recommended forsmall tablets, MUPS and ODTs, providing very pleasant mouthfeel due to its super-fine particles.	Ph. Eur., USP-NF, JP: Crospovidone type B

P Packed in PeroXeal® packaging **Δ** PeroXeal® only implemented for Kollidon® 30 Origin Germany ***** Monograph references were updated at time of printing, please visit us online for the latest status

Core formulation

Functionality	Process			Dosage form			Product	Description	Monograph title*/ Chemical name
	Direct compression	Dry granulation (incl. roller compaction)	Wet granulation	Tablets and capsules	Particles (granules, pellets, and MUPS)	ODT			
Sustained Release Matrices	●	●	●	●	●		Kolliwax® HCO	Lipophilic sustained release matrix indicated for highly soluble and sensitive APIs	Ph. Eur.: Castor oil, hydrogenated; USP-NF: Hydrogenated castor oil; JP: Hydrogenated oil
	●	●	●	●	●		Kolliwax® SA Fine	Lipophilic sustained release matrix indicated for highly soluble and sensitive APIs	Ph. Eur., USP-NF, JP: Stearyl alcohol
	●	●	●	●	●		Kolliwax® S Fine	Lipophilic sustained release matrix indicated for highly soluble and sensitive APIs	Ph. Eur., USP-NF, JP: Stearic acid 50
	●	●	●	●	●		Kollidon® SR	Highly compressible and flowable hydrophobic matrix designed for robust sustained release formulations made by direct compression and melt granulation.	80% PVAc, 19% Povidone, 0.8% SLS, 0.2% Silica
Coprocessed Excipients	●	●	●	●	●	●	Ludiflash®	Coprocessed excipient with excellent tableting properties, superior mouthfeel, and rapid disintegration, ideal for applications requiring quick dissolving in the mouth, such as ODTs.	90% Mannitol, 5% Crospovidone, 5% Polyvinyl acetate (from Kollicoat SR 30 D)
	●	●		●	●		Ludipress®	Coprocessed excipient containing filler, binder and disintegrant that simplifies direct compression formulations.	93% Lactose, 3.5% Povidone, 3.5% Crospovidone
	●	●		●	●		Ludipress® LCE	Coprocessed excipient containing filler and binder with optimal flowability for lozenges, chewables and effervescent tablets.	96.5% Lactose, 3.5% Povidone
	●	●		●	●		Kollitab® DC 87L	All-in-one coprocessed excipient for fast and cost-effective direct compression and continuous manufacturing processes. Indicated for low and high drug loads due to its excellent blending and flowing properties.	87% Lactose, 3% Ethylene glycol and vinyl alcohol graft copolymer, 9% Crospovidone, 1% Sodium stearyl fumarate
Surfactants			●	●	●		Kolliphor® SLS	Wetting agent and surfactant particularly suitable for wet and melt granulations.	Ph. Eur.: Sodium laurilsulfate; USP-NF, JP: Sodium lauryl sulfate
	●	●	●	●	●		Kolliphor® SLS Fine	Wetting agent, surfactant, and lubricant, particularly suitable for direct compression due to its fine size	Ph. Eur.: Sodium laurilsulfate; USP-NF, JP: Sodium lauryl sulfate
	●	●		●	●	●	Kolliphor® P 188 micro Geismar	Its very fine particle size makes it an effective dissolution enhancer, lubricant, and wetting agent in direct compression.	Ph. Eur., USP-NF: Poloxamer 188; JPE: Polyoxyethylene (160), polyoxypropylene (30) glycol**
	●	●		●	●	●	Kolliphor® P 407 micro Geismar	Its very fine particle size makes it an effective dissolution enhancer, lubricant, and wetting agent in direct compression.	Ph. Eur., USP-NF: Poloxamer 407; JPE: Polyoxyethylene (196), polyoxypropylene (67) glycol**

RSPO (Roundtable on Sustainable Palm Oil) certified

*Monograph references were updated at time of printing, please visit us online for the latest status, ** **The product meets the test requirements of the current monograph of "Polyoxyethylene (196) Polyoxypropylene (67) Glycol" JPE, containing BHT.**

Core formulation

Functionality	Process			Dosage form			Product	Description	Monograph title*/ Chemical name
	Direct compression	Dry granulation (incl. roller compaction)	Wet granulation	Tablets and capsules	Particles (granules, pellets, and MUPS)	ODT			
Surfactants (continued)			●	●	●	●	Kolliphor® P 188 Geismar	Dissolution enhancer, lubricant, and wetting agent particularly suitable for wet and melt granulations.	Ph. Eur., USP-NF: Poloxamer 188; JPE: Polyoxyethylene (160), polyoxylpropylene (30) glycol**
			●	●	●	●	Kolliphor® P 407 Geismar	Dissolution enhancer, lubricant, and wetting agent particularly suitable for wet and melt granulations.	Ph. Eur., USP-NF: Poloxamer 407; JPE: Polyoxyethylene (196) polyoxypropylene (67) glycol**
Lubricants	●	●	●	●			Kolliphor® SLS Fine	Fine surfactant and hydrophilic lubricant particularly suitable for poor soluble drugs.	Ph. Eur.: Sodium laurilsulfate; USP-NF, JP: Sodium lauryl sulfate
	●	●	●	●	●	●	Kolliphor® P 188 micro Geismar	Mictronized and hydrophilic lubricant & surfactant particularly suitable for poor soluble drugs.	Ph. Eur., USP-NF: Poloxamer 188; JPE: Polyoxyethylene (160) polyoxypropylene (30) glycol**
	●	●	●	●	●	●	Kolliphor® P 407 micro Geismar	Mictronized and hydrophilic lubricant & surfactant particularly suitable for poor soluble drugs.	Ph. Eur., USP-NF: Poloxamer 407; JPE: Polyoxyethylene (196) polyoxypropylene (67) glycol**
	●	●	●	●	●		Kolliwax® S Fine	Lipophilic lubricant. Particularly suitable for sensitive APIs.	Ph. Eur., USP-NF, JP: Stearic acid 50
	●	●	●	●	●		Kolliwax® HCO	Lipophilic lubricant. Particularly suitable for sensitive APIs.	Ph. Eur., Castor oil, hydrogenated, USP-NF: Hydrogenated castor oil, JPE: Hydrogenated oil

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Coating formulation

Functionality	Process		Release			Dosage form		Product	Description	Monograph title*/ Chemical name
	Aqueous	Organic Solvent	Instant	Enteric	Sustained	Tablets and capsules	Particles (granules, pellets, and MUPS)			
Immediate Release Film Coatings	●		●			●	●	Kollicoat® IR	Flexible, water-soluble, and low-viscosity polymer, allowing high solids content. Efficient coating with excellent adhesiveness and film-forming properties. It is recommended as an aesthetic film, sub-coating, drug layering polymer, and pore former in sustained-release formulations	Ph. Eur.: Macrogol poly(vinyl alcohol) grafted copolymer; USP-NF: Ethylene glycol and vinyl alcohol graft copolymer; JPE: Polyvinyl alcohol-polyethylene glycol graft copolymer
	●		●			●	●	Kollicoat® Protect	Instant-release film coating for sensitive drugs that require moisture and oxygen protection.	Excipient based on Kollicoat® IR and polyvinyl alcohol
	●		●			●	●	Kollicoat® Smartseal 30 D	30% polymer aqueous dispersion for taste masking and moisture protection. Rapidly dissolves at a pH below 5, providing immediate drug release.	Methyl-methacrylate – diethylaminoethyl methacrylate co-polymer
	●	●	●			●	●	Kollicoat® Smartseal 100 P	Suitable for aqueous and solvent coating; powder is re-dispersible in water after neutralization. Rapidly dissolves at a pH below 5, providing immediate drug release in the stomach.	Methyl-methacrylate – diethylaminoethyl methacrylate co-polymer
Sustained Release Film Coating	●				●	●	●	Kollicoat® SR 30 D	Sustained release film coating at a 30% polymer aqueous dispersion. pH-independent and highly elastic film-former suitable for coating small particles, pellets, granules and tablets.	Ph. Eur.: Poly(vinyl acetate) dispersion 30 per cent; USP-NF: Polyvinyl acetate dispersion

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Coating formulation

Functionality	Process		Release			Dosage form		Product	Description	Monograph title*/ Chemical name
	Aqueous	Organic Solvent	Instant	Enteric	Sustained	Tablets and capsules	Particles (granules, pellets, and MUPS)			
Enteric-Release Film Coatings	●			●		●	●	Kollicoat® MAE 30 DP	Enteric coating with release above pH 5.5, available as a 30% aqueous polymer dispersion.	Ph. Eur.: Methacrylic acid – ethyl acrylate copolymer (1:1) dispersion 30 per cent; USP-NF: Methacrylic acid copolymer dispersion; JPE: Methacrylic acid copolymer LD
	●			●		●	●	Kollicoat® MAE 100 P	Enteric coating with release above pH 5.5, available as partially preneutralized powder saving you time in the neutralization step.	Ph. Eur.: Methacrylic acid – ethyl acrylate copolymer (1:1), type B; USP-NF: Partially-neutralized methacrylic acid and ethyl acrylate copolymer
	●	●		●		●	●	Kollicoat® MAE 100-55	Non-neutralized, fast redispersing, dust-free powder grade for aqueous and organic enteric film coating with release above pH 5.5.	Ph. Eur.: Methacrylic acid – ethyl acrylate copolymer (1:1), type A; USP-NF: Methacrylic acid and ethyl acrylate copolymer; JPE: Dried methacrylic acid copolymer LD
	●	●		●		●	●	Kollicoat® MAE 100-55 Fine	Non-neutralized, fast redispersing, and fine powder grade for aqueous and organic enteric film coating with release above pH 5.5.	Ph. Eur.: Methacrylic acid – ethyl acrylate copolymer (1:1), type A; USP-NF: Methacrylic acid and ethyl acrylate copolymer; JPE: Dried methacrylic acid copolymer LD

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Coating formulation

Functionality	Process		Release			Dosage form		Product	Description	Monograph title*/ Chemical name
	Aqueous	Organic Solvent	Instant	Enteric	Sustained	Tablets and capsules	Particles (granules, pellets, and MUPS)			
Plasticizers						●	●	Kollisolv® GTA	Plasticizer particularly suitable for film coatings.	Triacetin
						●	●	Kollisolv® PG	Liquid hydrophilic plasticizer.	Ph. Eur., JP, FCC, USP-NF: Propylene glycol
						●	●	Kollisolv® PEG 300	Liquid plasticizer commonly used in film coatings. Also used as solvent in liquid formulations.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol, JPE: Macrogol 300; FCC: Polyethylene glycols
						●	●	Kollisolv® PEG 400	Liquid plasticizer commonly used in film coatings. Also used as solvent in liquid formulations.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol; JP: Macrogol 400; FCC: Polyethylene glycol
						●	●	Kollisolv® PEG 1450	Plasticizer commonly used in film coatings.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol
						●	●	Kollisolv® PEG 8000	Plasticizer commonly used in film coatings.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol
						●	●	Kollisolv® P 124 Geismar	Liquid plasticizer commonly used in tablet coatings. Also used as solubilizer and solvent in liquid formulations.	Ph. Eur., USP-NF: Poloxamer 124; JPE: Polyoxyethylene (20) polyoxypropylene (20) glycol **
						●	●	Kolliphor® PS 20	Non-ionic solubilizer, emulsifier, co-emulsifier and plasticizer.	Ph. Eur., USP-NF, JPE: Polysorbate 20
						●	●	Kolliphor® PS 60	Non-ionic solubilizer, emulsifier, co-emulsifier and plasticizer.	Ph. Eur., USP-NF, JPE: Polysorbate 60
						●	●	Kolliphor® PS 80	Non-ionic solubilizer, emulsifier, co-emulsifier and plasticizer.	Ph. Eur., USP-NF, JPE: Polysorbate 80
						●	●	Kolliphor® SML 20	Liquid plasticizer. Also used as emulsifier and co-emulsifier in oral formulations.	Ph.Eur.: Sorbitan Laurate
Taste-Masking Film Coatings	●		●			●	●	Kollicoat® Smartseal 30 D	Highly effective taste masking film-coating in a 30% polymeric aqueous dispersion, providing a final pleasant taste and smell of drug product.	Methyl-methacrylate – diethylaminoethyl methacrylate co-polymer
	●	●	●			●	●	Kollicoat® Smartseal 100 P	Highly effective taste masking film-coating in powder. Suitable for aqueous and organic formulations.	Methyl-methacrylate – diethylaminoethyl methacrylate co-polymer
	●				●	●	●	Kollicoat® SR 30 D	Applying a thin coating layer on the surfaces of pellets, granules, or tablets provides basic taste-masking properties by reducing the drug's contact with the taste buds.	Ph. Eur.: Poly(vinyl acetate) dispersion 30 per cent; USP-NF: Polyvinyl acetate dispersion

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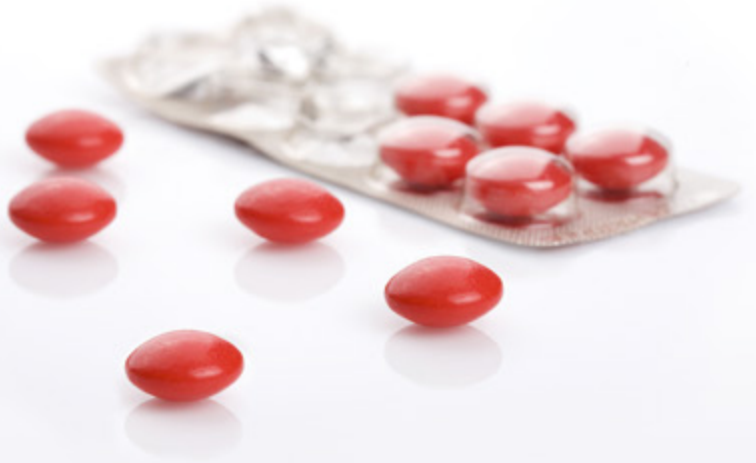
**The product meets the test requirements of the current monograph of "Polyoxyethylene (196) Polyoxypropylene (67) Glycol" JPE, containing d, 1-alpha tocopherol.

Coating formulation

Functionality	Product	Description	Monograph title*/Chemical name
Film-Coating Additives	Kollicoat® IR	Water-soluble polymer with excellent adhesion and flexibility, acting as a pore former in sustained-release film coatings.	Ph. Eur.: Macrogol poly(vinyl alcohol) grafted copolymer; USP-NF: Ethylene glycol and vinyl alcohol graft copolymer; JPE: Polyvinyl alcohol-polyethylene glycol graft copolymer
	Kollidon® VA 64	Water and organic-soluble polymer used to enhance film adhesion, as a sub-coating, and serve as a pore former in sustained-release formulations	Ph. Eur., USP-NF: Copovidone; JPE: Copolyvidone
	Kollidon® 12 PF	Water and organic-soluble polymer acting as a pore former in sustained release film-coatings.	Ph. Eur., USP-NF, JP: Povidone
	Kollidon® 17 PF	Water and organic-soluble polymer acting as a pore former in sustained release film-coatings.	Ph. Eur., USP-NF, JP: Povidone
	Kollidon® 30Δ	Water and organic-soluble polymer acting as a pore former in sustained release film-coatings.	Ph. Eur., USP-NF, JP: Povidone
	Kolliwax® GMS II	Anti-tacking agent in combination with polysorbate 80.	Ph. Eur.: Glycerol monostearate 40-55 (type II), USP-NF: Mono- and di-glycerides
	Kolliphor® PS 80	Emulsifier and co-emulsifier in oral formulations.	Ph. Eur., USP-NF, JPE: Polysorbate 80
	Kolliwax® HCO	Hydrophobic wax acting as a moisture barrier. It can also be used to modulate the initial drug release in combination with a film-coating polymer.	Ph. Eur.: Castor oil, hydrogenated; USP-NF: Hydrogenated castor oil; JP: Hydrogenated oil
	Kolliwax® S Fine	Hydrophobic wax acting as moisture barrier. It can also be used to modulate the initial drug release in combination with a film-coating polymer	Ph. Eur., USP-NF, JP: Stearic acid 50



Δ PeroXeal® only implemented for Kollidon® 30 Origin Germany RSPO (Roundtable on Sustainable Palm Oil) certified *Monograph references were updated at time of printing, please visit us online for the latest status

Topicals

BASF offers an unparalleled portfolio of pharmaceutical grade excipients intended for topical and transdermal use. We empower our customers to create a broad range of semi-solid formulations suitable for a variety of applications.

We are committed to maintaining the highest level of quality across the product spectrum. Our portfolio offers a variety of functional, RSPO-certified, reduced-carbon footprint excipients including penetration enhancers, viscosity modifiers, drug solubulizers, surfactants, and gelling agents to support the development of dermatological product applications. BASF's team of internationally recognized skin delivery experts is dedicated to working closely with you. Improve the health and well-being of patients through the enhancement of dermal drug delivery, semi-solid microstructure, mildness, and sensory.

https://pharma.basf.com/solutions/topicals

Creams, foams, ointments and gels

Functionality	Product	Delivery form				Description	Monograph title*/Chemical name
		Creams	Foams	Ointments	Gels		
Emollients	Kollicream® 3 C	●	●	●	●	Medium spreadability emollient. Extremely mild solvent for lipophilic drugs. Enhances API skin penetration.	Ph. Eur.: Cocoyl caprylocaprate, USP-NF: Cocoyl Caprylocaprate
	Kollicream® CP 15	●		●		Solid, slow spreading emollient with rich skinfeel. Solvent for lipophilic drugs.	Ph. Eur.: Cetyl palmitate
	Kollicream® DO	●	●	●	●	Medium spreadability. Solvent for lipophilic drugs. Enhances skin penetration.	Ph. Eur.: Decyl oleate
	Kollicream® IPM	●	●	●	●	Low viscosity emollient that promotes a fresh sensory effect. Ideal for light and highly spreadable products	Ph. Eur., USP-NF: Isopropyl myristate
	Kollicream® OA	●	●	●	●	Versatile, medium spreadability emollient and solvent for lipophilic drugs.	Ph. Eur., USP-NF: Oleyl alcohol
	Kollicream® OD	●	●	●	●	Emollient with medium spreadability. Solvent for lipophilic drugs. Enhances skin penetration. Effective in exceptionally wide pH range.	Ph. Eur., USP-NF: Octyldodecanol
Skin penetration enhancers	Kollicream® DO	●	●	●	●	Skin penetration enhancer functions as an emollient with medium spreadability.	Ph. Eur.: Decyl oleate
	Kollicream® IPM	●	●	●	●	Fast spreading emollient and skin penetration enhancer for hydrophilic drugs.	Ph. Eur., USP-NF: Isopropyl myristate
	Kollicream® 3C	●	●	●	●	Excellent at enhancing drug skin penetration while maintaining mildness. Suitable for a wide range of topical applications.	Ph. Eur., USP-NF: Cocoyl caprylocaprate
	Kollicream® OA	●	●	●	●	Skin penetration enhancer functions as an emollient with medium spreadability.	Ph. Eur., USP-NF: Oleyl alcohol
	Kollicream® OD	●	●	●	●	Medium spreadability solvent for lipophilic drugs, and effective at increasing skin penetration. Suitable over an exceptionally wide pH range	Ph. Eur., USP-NF: Octyldodecanol
	Kollisolv® PG	●	●	●	●	Skin penetration enhancer and solvent.	Ph. Eur., USP-NF, JP, FCC: Propylene glycol
	Kollisolv® PYR	●	●	●	●	Versatile solvent with broad miscibility.	Ph. Eur.: Pyrrolidone

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Creams, foams, ointments and gels

Functionality	Product	Delivery form				Description	Monograph title*/Chemical name
		Creams	Foams	Ointments	Gels		
Solubilizers	Kollisolv® MCT 70	●	●	●	●	Oily solvent for some lipophilic drugs. Water barrier-repairing, emollient film-former on skin.	Ph. Eur.: Triglycerides, medium-chain USP-NF: Medium-chain triglycerides
	Kollisolv® PEG 300	●	●	●	●	Solubilizer for drugs. Forms anhydrous, hydrophilic ointments in conjunction with higher mol. weight PEG.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol, JPE: Macrogol 300; FCC: Polyethylene glycols
	Kollisolv® PEG 300 G	●	●	●	●	Solubilizer for drugs. Forms anhydrous, hydrophilic ointments in conjunction with higher mol. weight PEG.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol
	Kollisolv® PEG 400	●	●	●	●	Solubilizer for drugs. Forms anhydrous, hydrophilic ointments in conjunction with higher mol. weight PEG.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol; JP: Macrogol 400; FCC: Polyethylene glycols
	Kollisolv® PEG 400 G	●	●	●	●	Solubilizer for drugs. Forms anhydrous, hydrophilic ointments in conjunction with higher mol. weight PEG.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol
	Kollisolv® GTA	●	●		●	Versatile water or oil miscible solvent.	Triacetin
	Kollisolv® PG	●	●	●	●	Versatile hydrophilic solvent and humectant.	Ph. Eur., USP-NF, JP, FCC: Propylene glycol
Non-ionic emulsifiers	Kolliphor® CS 12	●	●			Solid, non-ionic emulsifier for oil/water emulsions. Suitable over a wide pH range for challenging formulations	Ph. Eur.: Macrogol cetostearyl ether 12
	Kolliphor® CS 20	●	●			Solid, non-ionic emulsifier for oil/water emulsions. Works synergistically with structure factors to enhance product stability.	Ph. Eur.: Macrogol cetostearyl ether 20, USP-NF: Polyoxyl 20 cetostearyl ether
	Kolliphor® EL	●				Non-ionic emulsifier for oil/water emulsions. Also an effective solubilizer that can improve API stability	Ph. Eur.: Macrogolglycerol ricinoleate; USP-NF: Polyoxyl 35 castor oil; JPE: Polyoxyl 35 castor oil
	Kolliphor® HS 15	●				A highly effective solubilizer and emulsifying agent for poorly soluble APIs	Ph. Eur.: Macrogol 15 hydroxystearate; USP-NF: Polyoxyl 15 hydroxystearate
	Kolliphor® PS 20	●	●		●	Liquid, non-ionic emulsifier uniquely suitable for weakly lipophilic drugs and oils.	Ph. Eur., USP-NF: Polysorbate 20
	Kolliphor® PS 60	●	●		●	Semi-solid, highly versatile non-ionic emulsifier for oil/water emulsions; also an effective foam stabilizer.	Ph. Eur., USP-NF, JPE: Polysorbate 60
	Kolliphor® PS 80	●	●		●	Liquid, non-ionic emulsifier suitable for a wide range of drugs and oil/water emulsion applications.	Ph. Eur., USP-NF: Polysorbate 80
	Kolliphor® RH 40	●	●		●	Multi-purpose oil/water emulsifier and solubilizer; effective at forming self-emulsifying systems when used as a co-emulsifier.	Ph. Eur.: Macrogolglycerol hydroxystearate, USP-NF: Polyoxyl 40 hydrogenated castor oil

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Creams, foams, ointments and gels

Functionality	Product	Delivery form				Description	Monograph title*/Chemical name
		Creams	Foams	Ointments	Gels		
Non-ionic emulsifiers	Kollisolv® P 124 Geismar**	●	●		●	Liquid amphiphilic co-polymer; effective at forming light, airy foams.	Ph. Eur., USP-NF: Poloxamer 124; JPE: Polyoxyethylene (20) polyoxylpropylene (20) glycol
	Kolliphor® P 188 Geismar	●	●		●	Solid amphiphilic co-polymer; a multi-purpose drug solubilizer, emulsifier, and foaming agent. Very mild.	Ph. Eur., USP-NF: Poloxamer 188; JPE: Polyoxyethylene (160) polyoxylpropylene (30) glycol
	Kolliphor® P 338 Geismar	●	●		●	Solid amphiphilic co-polymer, drug solubilizer, emulsifier, and viscosity modifier.	Ph. Eur., USP-NF: Poloxamer 338
	Kolliphor® P 407 Geismar	●	●		●	Extremely versatile solid amphiphilic co-polymer. Effective as a co-emulsifier, drug solubilizer, gel former, and emulsifier.	Ph. Eur., USP-NF, JPE, Poloxamer 407, Polyoxyethylene (196) polyoxypropylene (67) glycol
	Kolliphor® SML 20	●	●		●	Non-ionic emulsifier for W-O emulsions; effective co-emulsifier for challenging formulation tasks.	Ph. Eur. : Sorbitan Laurate
Anionic emulsifiers	Kolliphor® SLS		●			Anionic emulsifier used for improving foaming capacity and thickness of semi-solid formulations.	Ph. Eur.: Sodium laurilsulfate; USP-NF, JP: Sodium lauryl sulfate
	Kolliphor® SLS Fine		●			Finer particles of Kolliphor® SLS for more controlled and efficient solubilization.	Ph. Eur.: Sodium laurilsulfate; USP-NF, JP: Sodium lauryl sulfate
	Kolliphor® CSS	●	●			Anionic emulsifier effective for forming gentle, light cleansing solutions and foams; works synergistically with other emulsifiers.	Ph. Eur.: Sodium cetostearyl sulfate
	Kolliphor® CS A	●				Anionic emulsifier and structuring agent combination for creams and lotions. Self emulsifying wax.	Ph. Eur.: Cetostearyl alcohol (type A), emulsifying
	Kolliphor® CSL	●				A mixture of emulsifier and waxes that is self-emulsifying and consistency building. It can be used as an easy-to-use base for dermatological creams.	Mixture of cetyl stearyl alcohol, sodium lauryl sulfate and sodium cetyl stearyl sulfate

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**The product meets the test requirements of the current monograph of "Polyoxyethylene (20) Polyoxylpropylene (20) Glycol" JPE, containing d,1-alpha tocopherol
***The product meets the test requirements of the current monograph of "Polyoxyethylene (160) Polyoxylpropylene (30) Glycol" JPE, containing BHT

Creams, foams, ointments and gels

Functionality	Product	Delivery form				Description	Monograph title*/Chemical name
		Creams	Foams	Ointments	Gels		
Viscosity modifiers and structuring agents	Kolliwax® MA	●		●	●	Consistency factor with low melting point. Soft sensory effect.	USP-NF: Myristyl alcohol
	Kolliwax® CA	●		●	●	Structure-building consistency factor for semi-solids. Viscosity regulator.	Ph. Eur., USP-NF: Cetyl alcohol
	Kolliwax® SA	●		●	●	Structure-building consistency factor for semi-solids. Viscosity regulator. Higher melting point.	Ph. Eur., USP-NF, JP: Stearyl alcohol
	Kolliwax® CSA 50	●	●	●	●	Structure-building consistency factor for semi-solids. Viscosity regulator for rich, care-feeling products.	Ph. Eur., USP-NF, JPE: Cetostearyl alcohol
	Kolliwax® CSA 70	●		●	●	Structure-building consistency factor for semi-solids. Viscosity regulator for light, higher-spreading products.	Ph. Eur.: Cetostearyl alcohol
	Kolliphor® CS A	●				Anionic emulsifier and consistency factor combination for creams and lotions. Self emulsifying wax.	Ph. Eur.: Cetostearyl alcohol (type A), emulsifying
	Kolliphor® CSL	●		●	●	A mixture of emulsifier and waxes that is self-emulsifying and consistency building. It can be used as an easy-to-use base for dermatological creams.	Mixture of cetyl stearyl alcohol, sodium lauryl sulfate and sodium cetyl stearyl sulfate
	Kolliwax® GMS II	●		●	●	Improves semi-solid viscosity and stability. Can mitigate stickiness or greasiness.	Ph. Eur.: Glycerol monostearate 40-55 (type II); USP-NF: Mono- and di-glycerides
	Kolliwax® HCO	●		●	●	Improves stability; high melting point and retention on skin; applies with little whiteness.	Ph. Eur.: Castor oil, hydrogenated; USP-NF: Hydrogenated castor oil; JP: Hydrogenated oil
	Kolliwax® S	●		●		Structure-building consistency factor with dry feel; deposits a crystalline barrier on the surface of the skin.	Ph. Eur., USP-NF, JP: Stearic acid 50
	Kollisolv® PEG 1000	●	●	●	●	Forms anhydrous, hydrophilic ointments in combination with low mol. weight PEG.	Ph. Eur.: Macrogols, Polyethelyne glycol 1000
	Kollisolv® PEG 1450	●		●		Forms anhydrous, hydrophilic ointments in combination with low mol. Weight PEGs; also used to formulate hydrophilic stick-balm products.	USP-NF: Polyethylene glycol 1450
	Kollisolv® PEG 8000	●		●		Forms anhydrous, hydrophilic ointments in combination with low mol. weight PEG.	Ph. Eur.: Macrogols, Polyethylene glycol 8000
Gelling agents	Kolliphor® P 188 Geismar	●	●		●	Forms clear, thermo-reversible gels at higher concentrations-temperatures. Improves drug solubility and functions as a wetting agent.	Ph. Eur., USP-NF: Poloxamer 188; JPE: Polyoxyethylene (160) polyoxypropylene (30) glycol
	Kolliphor® P 338 Geismar	●	●		●	Forms clear, thermo-reversible gels at higher concentrations-temperatures. Effective at forming solutions that gel near body temperature.	Ph. Eur., USP-NF: Poloxamer 338
	Kolliphor® P 407 Geismar	●	●		●	Forms robust, clear, thermo-reversible gels at high concentrations; can be reverted to a liquid state at low temperatures.	Ph. Eur., USP-NF, JPE, Poloxamer 407, Polyoxyethylene (196) polyoxypropylene (67) glycol

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Topical polymeric films

Functionality	Product	Description	Monograph title*/Chemical name
Film formers	Kollidon® 90 Evo **P**	Film former and viscosifying agent in aqueous formulations. Drug solubilizer.	Ph. Eur., USP-NF, JP: Povidone
	Kollidon® VA 64	Sprayable film former; drug solubilizer and matrix former in HME or solvent cast films.	Ph. Eur., USP-NF: Copovidone; JPE: Copolyvidone
	Kollidon® SR	Sprayable polymer film former; effective for targeted drug delivery, with good film adhesion and flexibility.	80% PVAc, 19% povidone, 0.8% SLS, 0.2% silica
	Kollidon® 30Δ **P**	Polymeric film former. Flexible.	Ph. Eur., USP-NF, JP: Povidone
	Kollicoat® IR	Polymeric film former. Flexible.	Ph. Eur.: Macrogol poly(vinyl alcohol) grafted copolymer; USP-NF: Ethylene glycol and vinyl alcohol graft copolymer; JPE: Polyvinyl alcohol-polyethylene glycol graft copolymer
	Kollicoat® SR 30 D	Sprayable polymeric film former; flexible and wash-resistant; improves drug retention on skin surface.	Ph. Eur.: Poly(vinyl acetate) dispersion 30 per cent; USP-NF: Polyvinyl acetate dispersion, USP-NF: Polyvinyl acetate dispersion
	Soluplus®	Forms solid solutions, increasing solubility and bioavailability. Extrudable into films.	Polyvinyl caprolactam – polyvinyl acetate – polyethylene glycol graft copolymer
Plasticizers	Kollisolv® PEG 400	Film plasticizer.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol; JP: Macrogol 400; FCC: Polyethylene glycols
	Kollisolv® PEG 400 G	Film plasticizer.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol
	Kollisolv® PEG 1450	Film plasticizer.	USP-NF: Polyethylene glycol
	Kollisolv® PG	Film plasticizer and co-surfactant.	Ph. Eur., USP-NF, JP, FCC: Propylene glycol
	Kolliphor® P 188 Geismar	Versitile plasticizer and solubilizer for polymeric films.	Ph. Eur., USP-NF: Poloxamer 188; JPE: Polyoxyethylene (160) polyoxypropylene (30) glycol
	Kollisolv® GTA	Polymeric film plasticizer; versatile water or oil miscible solvent.	Triacetin

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Transdermal patches

Functionality	Product	Description	Monograph title*/Chemical name
Matrix formers	Kollicoat® MAE 100 P	Matrix polymer.	Ph. Eur.: Methacrylic acid – ethyl a crylate copolymer (1:1), type B; USP-NF: Partially-neutralized methacrylic acid and ethyl acrylate copolymer
	Kollidon® CL-M	Used as transdermal drug delivery aid and may improve drug solubilization.	Ph. Eur., USP-NF, JP, Crospovidone
	Kollidon® SR	Matrix polymer.	80% PVAc, 19% povidone, 0.8% SLS, 0.2% silica
Solubilizers	Kolliphor® EL	Solubilizer e.g. for microneedles, approved for injectable formulations.	Ph. Eur.: Macrogolglycerol ricinoleate; USP-NF: Polyoxyl 35 castor oil; JPE: Polyoxyl 35 castor oil
	Kolliphor® HS 15	Solubilizer e.g. for microneedles, approved for injectable formulations.	Ph. Eur.: Macrogol 15 hydroxystearate; USP-NF: Polyoxyl 15 hydroxystearate
	Kollicream® IPM	Skin penetration enhancer. Solvent for lipophilic drugs.	Ph. Eur., USP-NF: Isopropyl myristate
	Kollicream® OA	Skin penetration enhancer. Solvent for lipophilic drugs.	Ph. Eur., USP-NF: Oleyl alcohol
	Kollicream® OD	Potential solubilizer of lipophilic APIs and a penetration enhancer.	Ph. Eur., USP-NF: Octyldodecanol
	Kollisolv® PG	Solvent for lipophilic actives. Prevents crystalization of actives.	Ph. Eur., USP-NF, JP, FCC: Propylene glycol
	Kollisolv® GTA	Miscible in both oil and water. Functions as a plasticizer for polymeric films.	Ph. Eur., USP-NF: Triacetin
	Kolliphor® P 188 Geismar	Inert, biocompatible, amphiphilic polymer, approved for injectable applications.	Ph. Eur., USP-NF: Poloxamer 188; JPE: Polyoxyethylene (160) polyoxypropylene (30) glycol
	Kollidon® 12 PF P Kollidon® 17 PF P	Endotoxin tested with compound related validated limits; Particularily suitable for dissolvable microneedles.	Ph. Eur., USP-NF, JP: Povidone
	Kollidon® CL-M	Used as transdermal drug delivery aid and may improve drug solubulization.	Ph. Eur., USP-NF, JP, Crospovidone
	Kollidon® 25 P	Drug solubilizers (via complexation).	Ph. Eur., USP-NF, JP: Povidone
	Kollidon® 30Δ P Kollidon® 30 LP P	Drug solubilizer with low peroxide option.	Ph. Eur., USP-NF, JP: Povidone
	Kollidon® 90 Evo P	Drug solubilizer and delivery aid in transdermal patches.	Ph. Eur., USP-NF, JP: Povidone
	Soluplus®	Forms solid solutions, increasing solubility and bioavailability. Extrudable into films.	Polyvinyl caprolactam – polyvinyl acetate – polyethylene glycol graft copolymer
	Kollidon® VA 64	Drug solubilizer and matrix former in extruded or solvent cast films.	Ph. Eur., USP-NF: Copovidone; JPE: Copolyvidone

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Suppositories

Functionality	Product	Description	Monograph title*/Chemical name
Viscosity modifiers and structuring agents	Kolliwax® CA	Structure-building consistency factor; C16 fatty alcohol.	Ph. Eur., USP-NF: Cetyl alcohol
	Kolliwax® CSA 50	Blend of C16 & C18 fatty alcohols used for stabilizing anhydrous formulations.	Ph. Eur., USP-NF, JPE: Cetostearyl alcohol
	Kolliwax® CSA 70	Blend of C16 & C18 fatty alcohols used for stabilizing anhydrous formulations.	Ph. Eur.: Cetostearyl alcohol
	Kolliwax® SA	Structure-building consistency factor; C18 fatty alcohol.	Ph. Eur., USP-NF, JP: Stearyl alcohol
	Kollisolv® PEG 1000	Builds consistency in suppositories when mixed with low MW liquid PEGs.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol 1000
	Kollisolv® PEG 1450	Builds consistency in suppositories when mixed with low MW liquid PEGs.	USP-NF: Polyethylene glycol 1450
	Kollisolv® PEG 3350	Builds consistency in suppositories when mixed with low MW liquid PEGs.	USP-NF: Polyethylene glycol 3350
	Kollisolv® PEG 8000	Builds consistency in suppositories when mixed with low MW liquid PEGs.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol 8000
	Kollidon® CL P	Matrix former.	Ph. Eur., USP-NF, JP: Crospovidone type A
	Novata® B PH	Hard fat for suppository matrix, melting point 33.5 – 35.5 deg C.	Ph. Eur.: Hard fat
	Novata® BC PH	Hard fat for suppository matrix, melting point 33 – 34.5 deg C.	Ph. Eur.: Hard fat
	Novata® BCF PH	Hard fat for suppository matrix, melting point 35 – 37 deg C.	Ph. Eur.: Hard fat
Solubilizers	Kollisolv® MCT 70	Solubilizer for lipophilic drugs. Penetration enhancer. Lubricant.	Ph. Eur.: Triglycerides, medium-chain, USP-NF: Medium chain triglycerides
	Kollisolv® PG	Solubilizes and aids in skin penetration of lipophilic actives.	Ph. Eur., USP-NF, JP, FCC: Propylene glycol
	Kollicream® IPM	Solubilizer for lipophilic actives.	Ph. Eur., USP-NF: Isopropyl myristate
	Kollicream® OD	Potential solubilizer of lipophilic APIs and a penetration enhancer.	Ph. Eur., USP-NF: Octyldodecanol
Emulsifiers	Kolliphor® PS 20	Non-ionic, hydrophilic emulsifier.	Ph. Eur., USP-NF: Polysorbate 20
	Kolliphor® PS 60	Non-ionic, hydrophilic emulsifier.	Ph. Eur., USP-NF, JPE: Polysorbate 60
	Kolliphor® PS 80	Non-ionic, hydrophilic emulsifier.	Ph. Eur., USP-NF: Polysorbate 80

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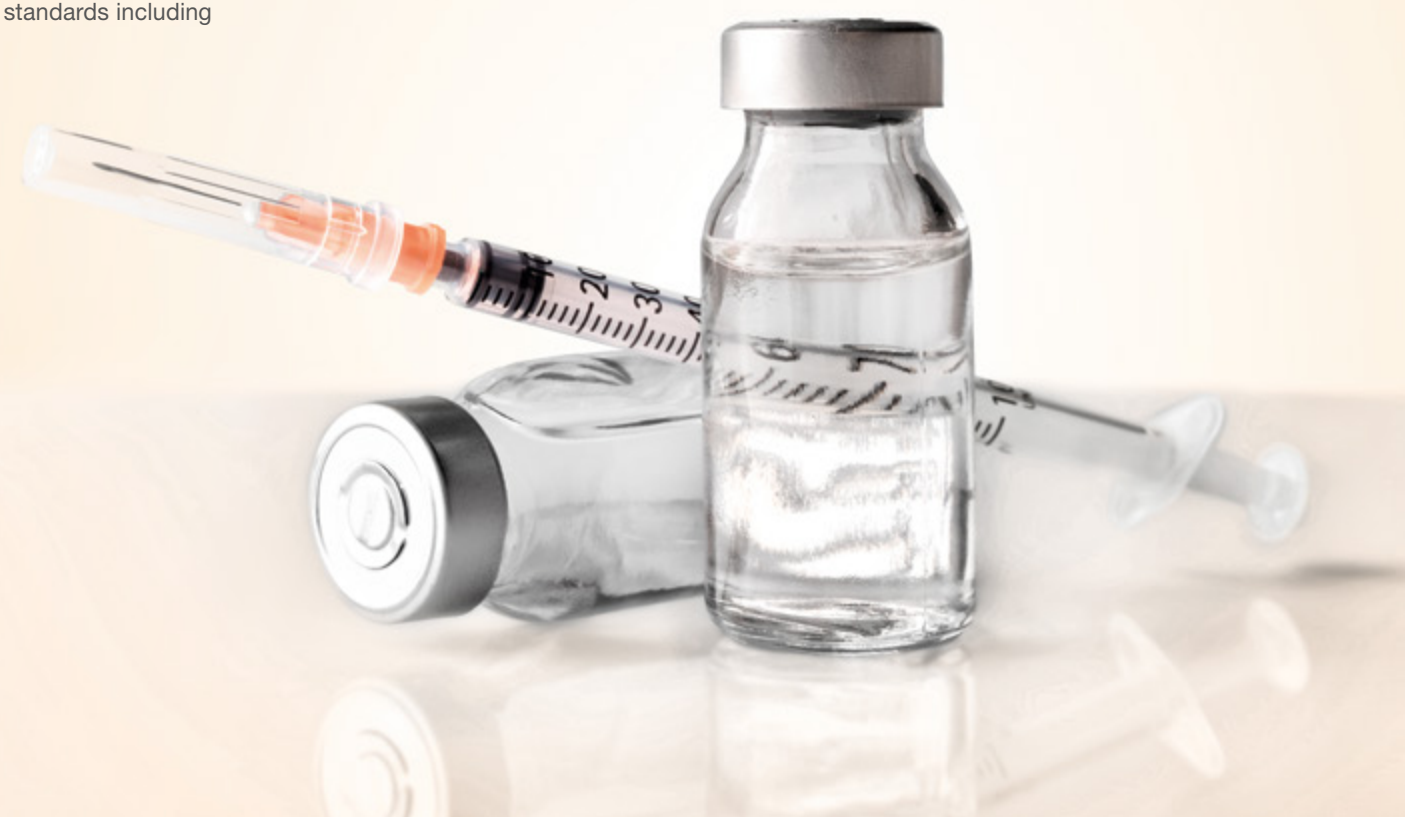
Parenterals

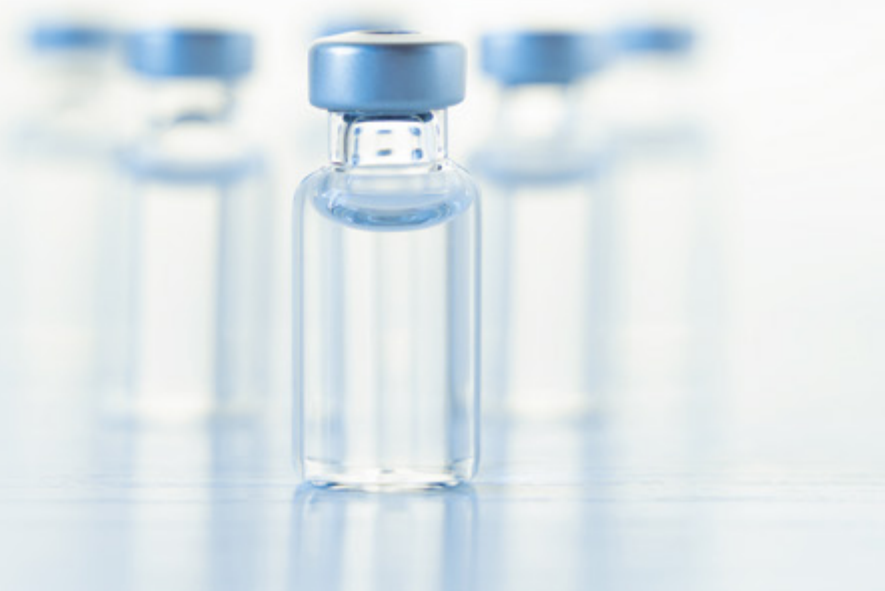
The parenteral application requires excipients of the highest quality standards. Solubilizers and co-solvents are the most widely employed excipients in the formulation of parenterals. BASF offers a range of high-quality solubilization excipients and has unparalleled experience in quality and regulatory affairs, as well as solubility enhancement strategies.

Our excipients for parenterals are produced by qualified and experienced employees in line with the appropriate high-quality standards including documentation, equipment, utilities and personnel.

https://pharma.basf.com/solutions/parenterals



Solution	Product	Functionality	Monograph title	FDA IID listing
Excipients	Kolliphor® ELP	Non-ionic solubilizer and emulsifier (surfactant; HLB = 12–14)	Ph. Eur.: Macrogolglycerol ricinoleate; USP-NF: Polyoxyl 35 castor oil	Yes
	Kolliphor® HS 15	Non-ionic solubilizer and emulsifier (surfactant; HLB = 15)	Ph. Eur.: Macrogol 15 hydroxystearate; USP-NF: Polyoxyl 15 hydroxystearate	Yes
	Kollidon® 12 PF	Solubilizer by complexation	Ph. Eur., USP-NF, JP: Povidone / Synthetic polymer	Yes
	Kollidon® 17 PF	Solubilizer by complexation	Ph. Eur., USP-NF, JP: Povidone / Synthetic polymer	Yes
	Kolliphor® P 188 Bio	Non-ionic block polymer solubilizer	Ph. Eur., USP-NF, JPE: Poloxamer 188; Polyoxyethylene (160) Polyoxypropylene (30) glycol	Yes
APIs	CN 600 TG	Omega-3-acid triglycerides, intended for parenteral nutrition	Ph. Eur	



Solubilization

Poorly soluble drugs are one of the major challenges pharmaceutical manufacturers are facing. BASF offers a wide range of highly effective solubilization excipients and an unparalleled understanding of the corresponding process technologies. We are the leading partner in optimizing bioavailability and solubility of challenging APIs.

Our solutions enable you to achieve effective solubilization and bioavailability in various dosage forms – from solid dispersions to lipid-based drug delivery systems to soft gels. Moreover, we are a highly successful pioneer in the application of hot-melt extrusion technology in pharmaceutical production.

https://pharma.basf.com/solutions/solubilization

Solid dispersions

Functionality	Product	Process				Description	Monograph title*/Chemical name
		Physical mixing	Melt granulation	Spray drying	HME		
Solubility enhancement	Soluplus®	●	●	●	●	Polymer designed for amorphous solid dispersions (ASDs), specifically to increase solubility and bioavailability of poorly water soluble drugs. Ideal for hot melt extrusion and spray drying.	Polyvinyl caprolactam – polyvinyl acetate – polyethylene glycol graft copolymer
	Kolliphor® RH 40	●	●	●	●	Non-ionic solubilizer.	Ph. Eur.: Macrogolglycerol hydroxystearate; USP-NF: Polyoxyl 40 hydrogenated castor oil
	Kolliphor® HS 15	●	●	●	●	Non-ionic solubilizer.	Ph. Eur.: Macrogol 15 hydroxystearate; USP-NF: Polyoxyl 15 hydroxystearate
	Kolliphor® EL	●	●	●	●	Non-ionic solubilizer.	Ph. Eur.: Macrogolglycerol ricinoleate; USP-NF: Polyoxyl 35 castor oil; JPE: Polyoxyl 35 castor oil
	Kolliphor® ELP	●	●	●	●	Purified Kolliphor® EL, especially for sensitive active ingredients.	Ph. Eur.: Macrogolglycerol ricinoleate USP-NF: Polyoxyl 35 castor oil
	Kolliphor® SLS	●	●	●	●	Ionic solubilizer and emulsifier.	Ph. Eur.: Sodium laurilsulfate; USP-NF, JP: Sodium lauryl sulfate
	Kolliphor® P 188 Geismar	●	●	●	●	Polymeric solubilizer, emulsifier and plasticizer.	Ph. Eur., USP-NF: Poloxamer 188; JPE: Polyoxyethylene (160) polyoxypropylene (30) glycol
	Kolliphor® P 338 Geismar	●	●	●	●	Polymeric solubilizer, emulsifier and plasticizer.	Ph. Eur., USP-NF: Poloxamer 338
	Kolliphor® P 407 Geismar	●	●	●	●	Polymeric solubilizer, emulsifier and plasticizer.	Ph. Eur., USP-NF: Poloxamer 407; JPE: Polyoxyethylene (196) polyoxypropylene (67) glycol
	Kolliphor® PS 20	●	●	●	●	Non-ionic solubilizer, emulsifier and co-emulsifier.	Ph. Eur., USP-NF: Polysorbate 20
	Kolliphor® PS 60	●	●	●	●	Non-ionic solubilizer, emulsifier and co-emulsifier.	Ph. Eur., USP-NF, JPE: Polysorbate 60
	Kolliphor® PS 80	●	●	●	●	Non-ionic solubilizer, emulsifier and co-emulsifier.	Ph. Eur., USP-NF: Polysorbate 80
	Kollidon® 12 PF P Kollidon® 17 PF P	●	●	●	●	Endotoxin controlled – low molecular weight povidone for solubilization, stabilization and crystallization inhibition.	Ph. Eur., USP-NF, JP: Povidone
	Kollidon® 25 P Kollidon® 30Δ P	●		●	●	Medium-molecular weight Povidone for solubilization, dispersion and oral liquid and oral semi-solid formulations crystallization inhibition.	Ph. Eur., USP-NF, JP: Povidone
	Kollidon® 90 Evo P	●		●	●	High-molecular weight Povidone for solubilization, dispersion and crystallization inhibition.	Ph. Eur., USP-NF, JP: Povidone
	Kollisolv® PEG 1000	●	●		●	Semi-solid polyethylene glycols.	Ph. Eur.: Macrogols; USP-NF: Polyethylene Glycol
	Kollisolv® PEG 1450	●	●		●	Semi-solid polyethylene glycols.	USP-NF: Polyethylene Glycol
	Kollisolv ® PEG 8000	●	●		●	Semi-solid polyethylene glycols.	Ph. Eur.: Macrogols; USP-NF: Polyethylene Glycol

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Solid dispersions

Functionality	Product	Process				Description	Monograph title*/Chemical name
		Physical mixing	Melt granulation	Spray drying	HME		
Matrices	Soluplus®	●	●	●	●	Polymer designed for amorphous solid dispersions (ASDs), specifically to increase solubility and bioavailability of poorly water soluble drugs. Ideal for hot melt extrusion and spray drying.	Polyvinyl caprolactam – polyvinyl acetate – polyethylene glycol graft copolymer
	Kollidon® VA 64		●	●	●	Copolymer designed for creation of amorphous solid dispersions (ASDs) – instant release matrix, solubilizer, crystallization inhibitor. Soluble in organic solvents; high acceptability in solid oral doses. Ideal and commonly used in HME and spray drying.	Ph. Eur., USP-NF: Copovidone; JPE: Copolyvidone
	Kollidon® SR		●	●	●	Controlled release matrix. May be blended with water soluble polymers to tailor release.	80% Polyvinyl acetate and 19% povidone, 0.8% lauryl sulfate and 0.2% silica
	Kollidon® 12 PF **P** Kollidon® 17 PF **P**		●	●	●	Endotoxin controlled – low molecular weight povidone for solubilization, stabilization and crystallization inhibition.	Ph. Eur., USP-NF, JP: Povidone
	Kollidon® 25 **P**		●	●	●	For instant release matrices including solubilization and crystallization inhibition.	Ph. Eur., USP-NF, JP: Povidone
	Kollidon® 30Δ **P**			●		For instant release matrices including solubilization and crystallization inhibition. Suitable for spray drying.	Ph. Eur., USP-NF, JP: Povidone
	Kollicoat® MAE 100-55	●	●	●	●	Non-neutralized, weakly acidic copolymer that dissolves at a pH above 5.5. Dust free powder grade.	Ph. Eur.: Methacrylic acid – ethyl acrylate copolymer (1:1) type A; USP-NF: Methacrylic acid and ethyl acrylate copolymer; JPE: Dried methacrylic copolymer LD
	Kollicoat® MAE 100 P	●	●	●	●	Partially neutralized, weakly acidic copolymer that dissolves at a pH above 5.5.	Ph. Eur.: Methacrylic acid – ethyl acrylate copolymer (1:1), type B; USP-NF: Partially-neutralized methacrylic acid and ethyl acrylate copolymer

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Solutions

Functionality	Product	Description	Monograph title*/Chemical name
Solubilizers and surfactants	Soluplus®	Polymer specifically designed to increase solubility and bioavailability of poorly soluble drugs.	Polyvinyl caprolactam – polyvinyl acetate – polyethylene glycol graft copolymer
	Kolliphor® RH 40	Non-ionic solubilizer and emulsifier.	Ph. Eur.: Macrogolglycerol hydroxystearate; USP-NF: Polyoxyl 40 hydrogenated castor oil
	Kolliphor® HS 15	Non-ionic solubilizer and emulsifier. Particularly suitable for parenteral applications.	Ph. Eur.: Macrogol 15 hydroxystearate; USP-NF: Polyoxyl 15 hydroxystearate
	Kolliphor® EL	Non-ionic solubilizer and emulsifier.	Ph. Eur.: Macrogolglycerol ricinoleate; USP-NF: Polyoxyl 35 castor oil
	Kolliphor® ELP	Purified Kolliphor® EL, especially for sensitive active ingredients to improve their stability. Particularly suitable for parenteral applications.	Ph. Eur.: Macrogolglycerol ricinoleate; USP-NF: Polyoxyl 35 castor oil
	Kolliphor® SML 20	Non-ionic solubilizer and emulsifier for pharmaceutical applications.	Ph. Eur.: Sorbitan Laurate
	Kolliphor® SLS	Ionic solubilizer and emulsifier.	Ph. Eur.: Sodium laurilsulfate; USP-NF, JP: Sodium lauryl sulfate
	Kolliphor® P 188 Geismar	Polymeric solubilizer, emulsifier and plasticizer.	Ph. Eur., USP-NF, JP: Poloxamer 188; JPE: Polyoxyethylene (160) polyoxylpropylene (30) glycol
	Kolliphor® P 338 Geismar	Polymeric solubilizer, emulsifier and plasticizer.	Ph. Eur., USP-NF, JPE: Poloxamer 338
	Kolliphor® P 407 Geismar	Polymeric solubilizer, emulsifier and plasticizer.	Ph. Eur., USP-NF, JPE: Poloxamer 407; JPE: Polyoxyethylene (196) polyoxypropylene (67) glycol
	Kolliphor® PS 20	Non-ionic solubilizer, emulsifier, co-emulsifier and plasticizer.	Ph. Eur., USP-NF: Polysorbate 20
	Kolliphor® PS 60	Non-ionic solubilizer, emulsifier, co-emulsifier and plasticizer.	Ph. Eur., USP-NF, JPE: Polysorbate 60
	Kolliphor® PS 80	Non-ionic solubilizer, emulsifier, co-emulsifier and plasticizer.	Ph. Eur., USP-NF, JPE: Polysorbate 80
Crystallization inhibitor	Kollidon® 12 PF **P** Kollidon® 17 PF **P**	Low-molecular weight povidone that is endotoxin controlled. Crystallization inhibitor and stabilizer in injectables and opthalmic products.	Ph. Eur., USP-NF, JP: Povidone
	Kollidon® 25 **P** Kollidon® 30Δ **P**	Medium-molecular weight povidone used as a solubilizing agent, dispersant and crystallization inhibitor.	Ph. Eur., USP-NF, JP: Povidone
	Kollidon® 90 F **P**	High-molecular weight povidone used as a solubilizing agent, dispersant and crystallization inhibitor.	Ph. Eur., USP-NF, JP: Povidone
	Kollidon® VA 64	Copolymer designed for creation of amorphous solid dispersions (ASDs) – instant release matrix, solubilizer, crystallization inhibitor. High solubility in organic solvents, high acceptability in solid oral doses.	Ph. Eur., USP-NF: Copovidone; JEP: Copolyvidone
	Soluplus®	Solubilizing agent, crystallization inhibitor, stabilizer.	Polyvinyl caprolactam – polyvinyl acetate – polyethylene glycol graft copolymer

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Solutions

Functionality	Product	Description	Monograph title*/Chemical name
Solvents	Kollisolv® PG	Solvent for oral and topical applications.	Ph. Eur., USP-NF, JP, FCC: Propylene glycol
	Kollisolv® PEG 300	Solvent for oral and topical applications.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol, JPE: Macrogol 300; FCC: Polyethylene glycols
	Kollisolv® PEG 300 G	Solvent for oral and topical applications.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol
	Kollisolv® PEG 400	Solvent for oral and topical applications.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol; JP: Macrogol 400; FCC: Polyethylene glycols
	Kollisolv® PEG 400 G	Solvent for oral and topical applications.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol
	Kollisolv® P 124 Geismar	Solvent for APIs, dispersing agent for liquid dispersions, stabilizer and co-emulsifier in semi-solid formulations.	Ph. Eur., USP-NF, JPE: Polyoxyethylene (20) polyoxypropylene (20) glycol
	Kollisolv® GTA	Commonly used, both semi-hydrophilic and semi-hydrophobic solvent.	Ph. Eur., USP-NF: Triacetin
	Kollisolv® PYR	Solvent for injectables and oral formulations for animal health.	Ph. Eur.: Pyrrolidone
	Kollisolv® MCT 70	Solubilizer for lipophilic drugs.	Ph. Eur.: Triglycerides, medium-chain, USP-NF: Medium-chain triglycerides
Viscosity enhancers	Kollidon® 90 Evo **P**	Enhances viscosity. Soluble in water and many organic solvents.	Ph. Eur., USP-NF, JP: Povidone
	Kolliphor® P 407 Geismar	Enhances viscosity. Thermoreversible gelling effect.	Ph. Eur., USP-NF, Poloxamer 407; JPE: Polyoxyethylene (196) polyoxypropylene (67) glycol
Gel formers	Kolliphor® P 407 Geismar	Enhances viscosity. Thermoreversible gelling effect.	Ph. Eur., USP-NF, Poloxamer 407; JPE: Polyoxyethylene (196) polyoxylpropylene (67) glycol
	Kolliphor® P 338 Geismar	Enhances viscosity. Thermoreversible gelling effect.	Ph. Eur., USP-NF, Poloxamer 338
	Kolliphor® P 188 Geismar	Enhances viscosity. Thermoreversible gelling effect.	Ph. Eur., USP-NF, Poloxamer 188; JPE: Polyoxyethylene (160) polyoxylpropylene (30) glycol

P Packed in PeroXeal® packaging RSPO (Roundtable on Sustainable Palm Oil) certified *Monograph references were updated at time of printing, please visit us online for the latest status

Emulsions

Functionality	Product	Description	Monograph title*/Chemical name
Emulsifiers/ Solubilizers	Kolliphor® RH 40	Non-ionic solubilizer. High acceptability in SEDDS formulations.	Ph. Eur.: Macrogolglycerol hydroxystearate; USP-NF: Polyoxyl 40 hydrogenated castor oil
	Kolliphor® HS 15	Non-ionic solubilizer in paste form used in combination with a matrix polymer.	Ph. Eur.: Macrogol 15 hydroxystearate; USP-NF: Polyoxyl 15 hydroxystearate
	Kolliphor® EL	Non-ionic solubilizer. High acceptability in SEDDS formulations.	Ph. Eur.: Macrogolglycerol ricinoleate; USP-NF: Polyoxyl 35 castor oil; polyoxyl 35 castor oil
	Kolliphor® ELP	Purified Kolliphor® EL, especially for sensitive active ingredients to improve their stability.	Ph. Eur.: Macrogolglycerol ricinoleate; USP-NF: Polyoxyl 35 castor oil
	Kolliphor® SML 20	Non-ionic solubilizer and emulsifier for pharmaceutical applications.	Ph. Eur.: Sorbitan Laurate
	Kolliphor® SLS	Ionic solubilizer and emulsifier.	Ph. Eur.: Sodium laurilsulfate; USP-NF, JP: Sodium lauryl sulfate
	Kolliphor® P 188 Geismar	Polymeric solubilizer, emulsifier and plasticizer.	Ph. Eur., USP-NF, JP: Poloxamer 188; JPE: Polyoxyethylene (160) polyoxylpropylene (30) glycol
	Kolliphor® P 338 Geismar	Polymeric solubilizer, emulsifier and plasticizer.	Ph. Eur., USP-NF, Poloxamer 338
	Kolliphor® P 407 Geismar	Polymeric solubilizer, emulsifier and plasticizer.	Ph. Eur., USP-NF, Poloxamer 407; JPE: Polyoxyethylene (196) polyoxylpropylene (67) glycol
	Kolliphor® PS 20	Non-ionic solubilizer, emulsifier and co-emulsifier.	Ph. Eur., USP-NF: Polysorbate 20
	Kolliphor® PS 60	Non-ionic solubilizer, emulsifier and co-emulsifier.	Ph. Eur., USP-NF, JPE: Polysorbate 60
	Kolliphor® PS 80	Non-ionic solubilizer, emulsifier and co-emulsifier.	Ph. Eur., USP-NF, JPE: Polysorbate 80
	Kollisolv® P 124 Geismar	High acceptability in SEDDS formulations.	Ph. Eur., USP-NF: Poloxamer 124; JPE: Polyoxyethylene (20) polyoxylpropylene (20) glycol

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Emulsions

Functionality	Product	Description	Monograph title*/Chemical name
Solvents	Kollisolv® PG	Solvent for oral and topical applications.	Ph. Eur., USP-NF, JP, FCC: Propylene glycol
	Kollisolv® PEG 300	Solvent for oral and topical applications.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol; JPE: Macrogol 300; FCC: Polyethylene glycols
	Kollisolv® PEG 300 G	Solvent for oral and topical applications.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol
	Kollisolv® PEG 400	Solvent for oral and topical applications.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol; JP: Macrogol 400; FCC: Polyethylene glycols
	Kollisolv® PEG 400 G	Solvent for oral and topical applications.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol
	Kollisolv® P 124 Geismar	Solvent for APIs, dispersing agent for liquid dispersions, stabilizer and co-emulsifier in semi-solid formulations.	Ph. Eur., USP-NF: Poloxamer 124; JPE: Polyoxyethylene (20) polyoxylpropylene (20) glycol
	Kollisolv® GTA	Commonly used, both semi-hydrophilic and semi-hydrophobic solvent.	Triacetin
	Kollisolv® PYR	Solvent for injectables and oral formulations for animal health.	Ph. Eur.: Pyrrolidone
Lipids	Kollisolv® MCT 70	Solubilizer for lipophilic drugs.	Ph. Eur.: Triglycerides, medium-chain, USP-NF: Medium-chain triglycerides
Co-solvents	Kollisolv® PEG 300	Solvent for oral and topical applications.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol, JPE: Macrogol 300; FCC: Polyethylene glycols
	Kollisolv® PEG 300 G	Solvent for oral and topical applications.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol
	Kollisolv® PEG 400	Solvent for oral and topical applications.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol; JP: Macrogol 400; FCC: Polyethylene glycols
	Kollisolv® PEG 400 G	Solvent for oral and topical applications.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol
	Kollisolv® P 124 Geismar	Solvent for APIs, dispersing agent for liquid dispersions, stabilizer and co-emulsifier in semi-solid formulations.	Ph. Eur., USP-NF, JPE: Polyoxyethylene (20) polyoxypropylene (20) glycol
	Kollisolv® GTA	Commonly used solvent.	Triacetin
	Kollisolv® PYR	Solvent for injectables and oral formulations for animal health.	Ph. Eur.: Pyrrolidone

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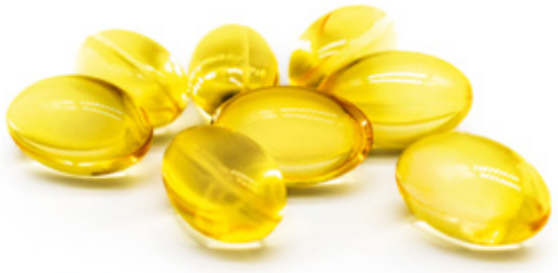
Suspensions

Functionality	Product		Process			Description	Monograph title*/Chemical name
			Physical mixing, e.g. wet granulation	Melt granulation	Spray drying		
Reduction of sedimentation	Kollidon® CL-M			●		Reduces sedimentation by steric effects. Insoluble.	Ph. Eur., USP-NF, JP: Crospovidone type B
	Kolliphor® P 407 Geismar		●	●	●	Thickening agent and gel former, as a co-emulsifier and viscosity enhancer in creams and liquid emulsions. Also stabilizes topically and orally administered suspensions and is used in tooth-pastes, gargles and mouthwashes. Used in sustained release formulations.	Ph. Eur., USP-NF, Poloxamer 407; JPE: Polyoxyethylene (196) polyoxylpropylene (67) glycol
	Kollidon® 90 Evo	**P**	●		●	Reduces sedimentation by viscosity enhancement. Soluble in water and many organic solvents.	Ph. Eur., USP-NF, JP: Povidone
Redispersing agent	Kollidon® CL-M			●		Sedimentation inhibitor in suspensions.	Ph. Eur., USP-NF, JP: Crospovidone type B
	Kollidon® 90 Evo	**P**	●		●	Reduces sedimentation by viscosity enhancement. Soluble in water and many organic solvents.	Ph. Eur., USP-NF, JP: Povidone
	Kolliphor® HS 15		●	●	●	Non-ionic solubilizer in paste form used in combination with a matrix polymer.	Ph. Eur.: Macrogol 15 hydroxystearate; USP-NF: Polyoxyl 15 hydroxystearate
	Kollidon® 12 PF Kollidon® 17 PF	**P** **P**	●	●	●	Low-molecular weight povidone that is endotoxin controlled. Crystallization inhibitor and stabilizer in injectables and opthalmic products.	Ph. Eur., USP/NF, JP: Povidone
	Kollidon® 12 PF Kollidon® 17 PF	**P** **P**	●	●	●	Low-molecular weight povidone that is endotoxin controlled. Crystallization inhibitor and stabilizer in injectables and opthalmic products.	Ph. Eur., USP-NF, JP: Povidone

*Monograph references were updated at time of printing, please visit us online for the latest status

Softgel and capsule fills

Functionality	Product	Description	Monograph title*/Chemical name
Solvents and fills	Kollisolv® MCT 70	Oil fill for solubilization of lipophilic APIs.	Ph. Eur.: Triglycerides, medium-chain, USP-NF: Medium chain triglycerides
	Kollisolv® PEG 300	Hydrophilic fill for solubilization of hydrophilic APIs.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol, JPE: Macrogol 300; FCC: Polyethylene glycols
	Kollisolv® PEG 300 G	Hydrophilic fill for solubilization of hydrophilic APIs.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol
	Kollisolv® PEG 400	Hydrophilic fill for solubilization of hydrophilic APIs.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol; JP: Macrogol 400; FCC: Polyethylene glycols
	Kollisolv® PEG 400 G	Hydrophilic fill for solubilization of hydrophilic APIs.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol
	Kollisolv® PEG 600	Hydrophilic fill for solubilization of hydrophilic APIs.	Ph. Eur.: Macrogols; USP-NF: Polyethylene glycol
	Kollisolv® PEG 400 LA	Hydrophilic fill for solubilization of hydrophilic APIs. Low aldehyde content to prevent gelatin crosslinking.	USP-NF: Polyethylene glycol; JP: Macrogol 400
	Kollisolv® PEG 600 LA	Hydrophilic fill for solubilization of hydrophilic APIs. Low aldehyde content to prevent gelatin crosslinking.	USP-NF: Polyethylene glycol; JP: Macrogol 600
	Kollisolv® PG	Versatile hydrophilic solvent.	Ph. Eur., USP-NF, JP, FCC: Propylene glycol
	Kollisolv® P 124 Geismar	Liquid amphiphilic polymer for solubilizing APIs.	Ph. Eur., USP-NF: Poloxamer 124; JPE: Polyoxyethylene (20) polyoxypropylene (20) glycol
Crystallization inhibition	Kollidon® 12 PF **P** Kollidon® 17 PF **P**	Endotoxin controlled, low-molecular weight povidone. Solubilizing agent and crystallization inhibitor.	Ph. Eur., USP-NF, JP: Povidone
	Kollidon® 30[Δ] **P**	Low-molecular weight povidone. Solubilizing agent and crystallization inhibitor.	Ph. Eur., USP-NF, JP: Povidone
	Kollidon® 90 Evo **P**	Soluble povidone, viscosity enhancer.	Ph. Eur., USP-NF, JP: Povidone
	Kollidon® VA 64	Solubilizing agent, dispersant and crystallization inhibitor.	Ph. Eur., USP-NF: Copovidone; JPE: Copolyvidone
	Soluplus®	Polymer specifically designed to increase solubility and bioavailability of poorly soluble drugs.	Polyvinyl caprolactam – polyvinyl acetate – polyethylene glycol graft copolymer



P Packed in PeroXeal® packaging **Δ** PeroXeal® only implemented for Kollidon® 30 Origin Germany RSPO (Roundtable on Sustainable Palm Oil) certified ***** Monograph references were updated at time of printing, please visit us online for the latest status

Softgel and capsule fills

Functionality	Product	Description	Monograph title*/Chemical name
Solubility enhancement and emulsification	Kolliphor® CS 12	Non-ionic emulsifiers and solubilizers.	Ph. Eur.: Macrogol cetostearyl ether 12
	Kolliphor® CS 20	Non-ionic emulsifiers and solubilizers.	Ph. Eur.: Macrogol cetostearyl ether 20, USP-NF: Polyoxyl 20 cetostearyl ether
	Kolliphor® EL	Non-ionic O-W emulsifier and solubilizer.	Ph. Eur.: Macrogolglycerol ricinoleate; USP-NF: Polyoxyl 35 castor oil; JPE: Polyoxyl 35 castor oil
	Kolliphor® ELP	Purified Kolliphor® EL, especially for sensitive active pharmaceutical ingredients.	Ph. Eur.: Macrogolglycerol ricinoleate; USP-NF: Polyoxyl 35 castor oil
	Kolliphor® RH 40	Non-ionic O-W emulsifier and solubilizer.	Ph. Eur.: Macrogolglycerol hydroxystearate, USP-NF: Polyoxyl 40 hydrogenated castor oil
	Kolliphor® HS 15	Non-ionic O-W emulsifier and solubilizer.	Ph. Eur.: Macrogol 15 hydroxystearate, USP-NF: Polyoxyl 15 hydroxystearate
	Kolliphor® PS 20	Non-ionic O-W emulsifier and solubilizer.	Ph. Eur., USP-NF: Polysorbate 20
	Kolliphor® PS 60	Non-ionic O-W emulsifier and solubilizer.	Ph. Eur., USP-NF, JPE: Polysorbate 60
	Kolliphor® PS 80	Non-ionic O-W emulsifier and solubilizer.	Ph. Eur., USP-NF, JPE: Polysorbate 80
	Kollisolv® P 124 Geismar	Liquid amphiphilic polymer, solubilizer.	Ph. Eur., USP-NF: Poloxamer 124; JPE: Polyoxyethylene (20) polyoxypropylene (20) glycol
	Kolliphor® P 188 Geismar	Solid amphiphilic polymer, solubilizer.	Ph. Eur., USP-NF: Poloxamer 188; JPE: Polyoxyethylene (160) polyoxypropylene (30) glycol
	Kolliphor® P 338 Geismar	Solid amphiphilic polymer, solubilizer.	Ph. Eur., USP-NF: Poloxamer 338
	Kolliphor® P 407 Geismar	Solid amphiphilic polymer, solubilizer.	Ph. Eur., USP-NF, JPE, Poloxamer 407, Polyoxyethylene (196) polyoxypropylene (67) glycol
	Kolliwax® GMS II	Co-emulsifier and viscosity enhancer.	Ph. Eur.: Glycerol monostearate 40-55 (type II); USP-NF: Mono- and di-glycerides
	Kolliwax® CSA 50	Co-emulsifier and viscosity enhancer.	Ph. Eur., USP-NF, JPE: Cetostearyl alcohol
	Kolliwax® HCO	Lipid matrix.	Ph. Eur.: Castor oil hydrogenated; USP-NF: Hydrogenated castor oil; JP: Hydrogenated oil
	Kolliwax® S	Emulsifying and solubilizing agent, viscosity enhancer.	Ph. Eur., USP-NF, JP: Stearic acid 50
	Novata® B PH, BC PH, BCF PH	Lipidic matrix and viscosity enhancer.	Ph. Eur.: Hard fat

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Biopharma Ingredients

With over 50 years of experience in EO/PO chemistry, BASF Pharma Solutions, the leading supplier of poloxamer 188, is pleased to introduce Kolliphor® P 188 Bio – specifically designed to meet the stringent requirements of biologics manufacturers for purity, consistency and performance in mammalian cell culture systems.

In these cell culture systems, live cells are kept in suspension within the medium in bioreactors and are subject to some degree of physical (shear) stress in the process.

https://pharma.basf.com/solutions/biopharma

High purity poloxamer designed for biologics manufacturing

BASF is the leading manufacturer of poloxamer 188 (Kolliphor® P 188). In bioprocessing, poloxamer 188 has been extensively researched and has been found to be the most effective ingredient to provide shear protection in mammalian cell cultures.

BASF is committed to provide Kolliphor® P 188 Bio, which is designed to meet your needs in quality, consistency, and performance in cell culture systems during the manufacturing of biologic drugs including monoclonal antibodies and advanced therapies.

Kolliphor® P 188 Bio is a premium, fit-for-purpose product designed to minimize risk in cell culture manufacturing. It is used as an additive to the cell culture medium to reduce the shear stress, which improves cell viability and the resulting biologic drug yield. The purity of the product is critical, and requires special attention to assure every lot produced is suitable for use with cell cultures. Moreover, Kolliphor® P 188 Bio will allow customers to reduce the supply chain complexity and minimizes the need for additional testing.

Kolliphor® P 188 Bio

- Consistent performance lowers manufacturing risk
- Validated RP-HPLC assay to ensure highest purity
- Enhanced packaging
- Compendial grade with Drug Master File

Kolliphor® P 188 Cell Culture

- Consistent performance lowers manufacturing risk
- Validated RP-HPLC assay to ensure highest purity
- Enhanced packaging
- Compendial grade with Drug Master File

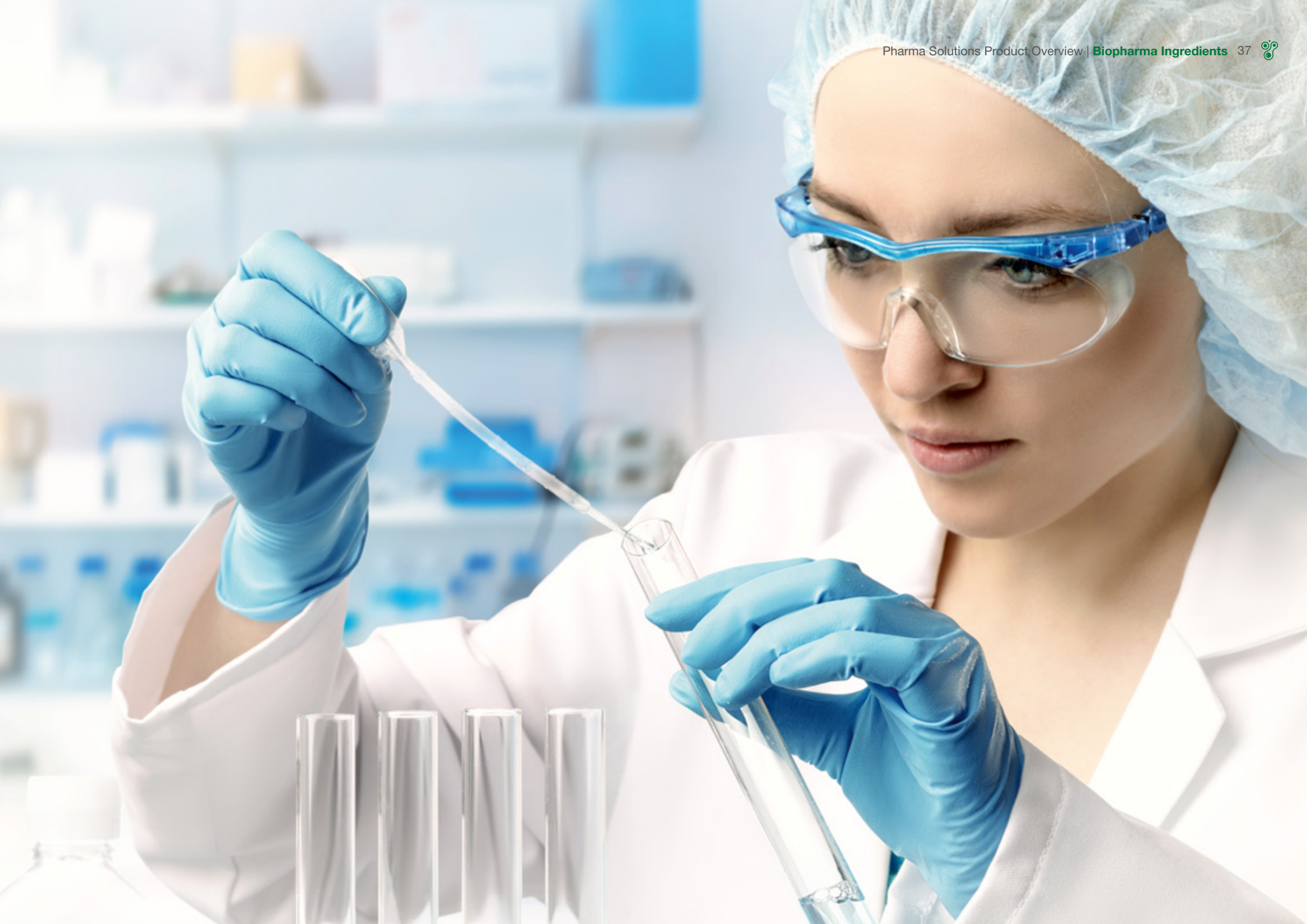
Product	Description	Monograph title*/Chemical name
Kolliphor® P 188 Bio	For use as a shear protectant in cell culture manufacturing processes.	Ph. Eur., USP-NF: Poloxamer 188; JPE: Polyoxyethylene (160), Polyoxypropylene (30) glycol
Kolliphor® P 188 Cell Culture	Next generation poloxamer for shear protection.	Ph. Eur., USP-NF: Poloxamer 188; JPE: Polyoxyethylene (160), Polyoxypropylene (30) glycol

***The product meets the test requirements of the current monograph of "Polyoxyethylene (160) Polyoxypropylene (30) Glycol" JPE, containing BHT**

Surfactants for biologic formulations

Biologic formulations require excipients of highest quality standards as they directly bypass the body's natural defenses. Our surfactants for biologic formulations are produced in Ludwigshafen, Germany and Geismar, LA, USA by qualified and experienced personnel in line with IPEC-PQG GMP standards, and also subject to microbiological and endotoxin testing prior to release. In addition, our technical experts have access to industry-leading tools and analytics, coupled with a deep and profound understanding of our excipients, which allows us to enable our customers to tackle their formulation challenges rapidly and efficiently.

Product	Functionality	Monograph title*/Chemical name	FDA IID listing
Kolliphor® P188 Bio	Non-ionic surfactant (HLB = 29)	Ph. Eur., USP, JPE: Poloxamer 188	Yes
Kolliphor® P188 Cell Culture	Non-ionic surfactant (HLB = 29)	Ph. Eur., USP, JPE: Poloxamer 188	Yes
Kollipro™ Urea Granules	Processing aid	Ph. Eur., USP: Urea (carbamide)	No
Soluplus®	Processing aid	N/A: Polyvinyl caprolactam – polyvinyl acetate – polyethylene glycol graft Copolymer	No
Kolliphor® SLS	Anionic emulsifier	Ph.Eur.: Sodium laurilsulfate; USP/NF, JP: Sodium lauryl sulfate	No
Kolliphor® HS 15	Non-ionic surfactant (HLB = 15)	Ph. Eur.: Macrogol 15 Hydroxystearate USP: Polyoxyl 15 Hydroxystearate	Yes
Kolliphor® ELP	Non-ionic surfactant (HLB = 12-14)	Ph. Eur.: Macrogolglycerol ricinoleate USP: Polyoxyl 35 castor oil	Yes

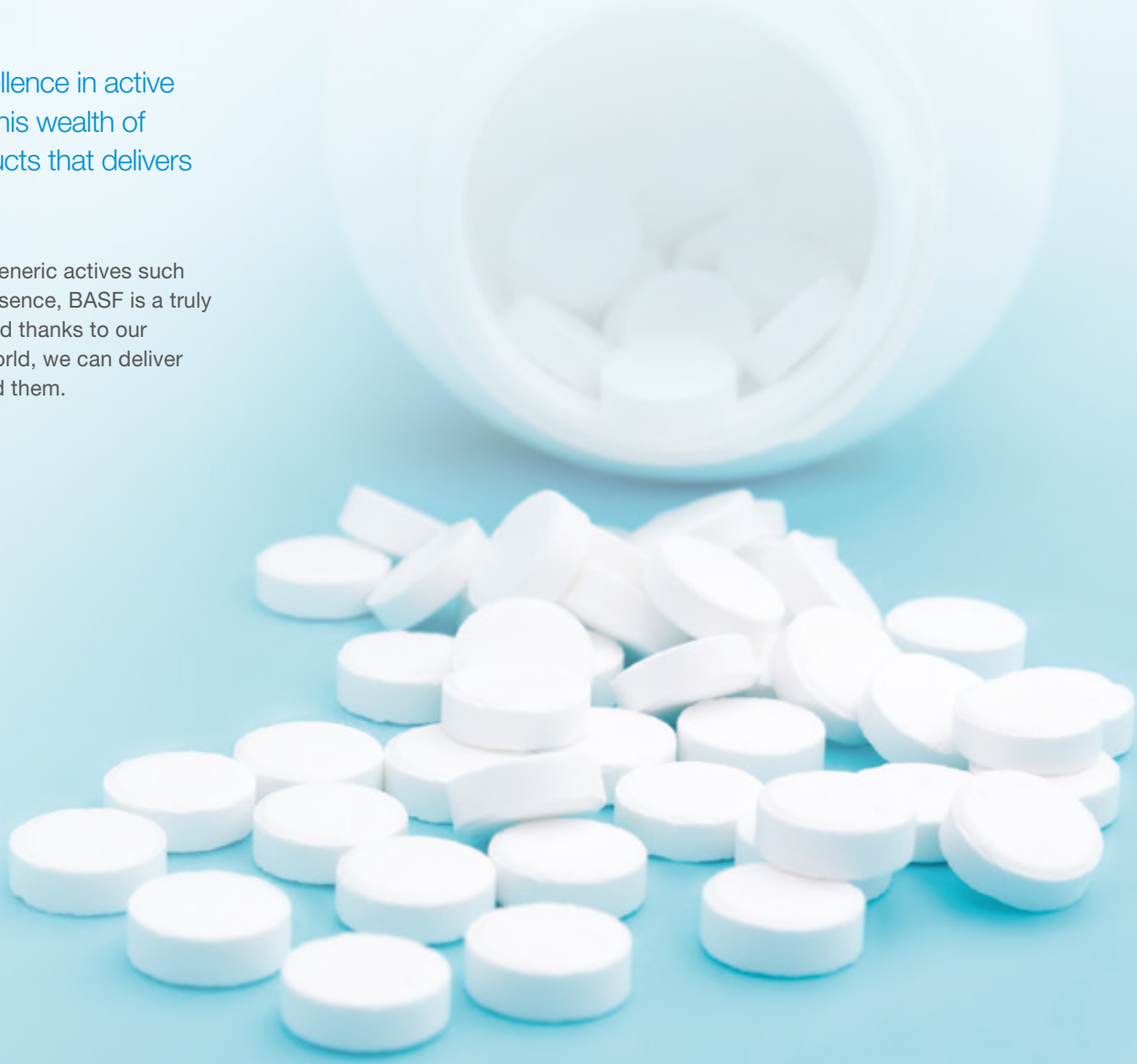


APIs

For over 75 years, BASF has been driving excellence in active pharmaceutical ingredients (APIs). Backed by this wealth of experience, we offer a proven portfolio of products that delivers consistent safety and reliability.

What's more, we have achieved worldwide leadership in generic actives such as ibuprofen and omega-3. With a strong international presence, BASF is a truly global partner that can also offer reliable local support. And thanks to our state-of-the-art production facilities located around the world, we can deliver the products you need – wherever and whenever you need them.

https://pharma.basf.com/solutions/apis



Product	CAS no.	Registration				Comments	Description	
		CEP	ASMF	JDMF	US-DMF			
Ibuprofen								
Ibuprofen 25	15687-27-1	●	●	●	●	USP, Ph. Eur., JP, IP	Particle size: D (0.5) = 20–33 µm.	
Ibuprofen 38	15687-27-1	●	●	●	●	USP, Ph. Eur., JP, IP	Particle size: D (0.5) = 33–45 µm.	
Ibuprofen 50	15687-27-1	●	●	●	●	USP, Ph. Eur., JP, IP	Particle size: D (0.5) = 45–60 µm.	Chiral propionic acid derivative, classified as a nonsteroidal anti-inflammatory drug (NSAID). Is used as an analgesic and antiinflammatory agent.
Ibuprofen 70	15687-27-1	●	●	●	●	USP, Ph. Eur., JP, IP	Particle size: D (0.5) = 60–85 µm.	
Ibuprofen DC 85 W	15687-27-1		●		●		Direct compressible Ibuprofen with 85% drug content.	
Ibuprofen sodium dihydrate	31121-93-4		●		●		Fast-acting Ibuprofen.	
Other								
PVP-Iodine 30/06	25655-41-8	●	●	●	●	USP, Ph. Eur., JP, IP	Oral laxative which acts by osmotic retention of water in the intestine. PEG 3350 is applicable for long-term therapy because it has no effect on the cardiovascular system, causes no irritation of the intestinal mucosa.	
Dexpanthenol Ph. Eur.	81-13-0	●	●			USP, Ph. Eur.	Dermaticum, treatment of wounds, promotion of epithelization.	
L-menthol pharma	2216-51-5	●	●		●	USP, Ph. Eur., JP	Antitussive, nasal decongestant, antihistamine, expectorant, throat irritation relief, topical analgesic, local anasthetic. Available as L-menthol flakes.	

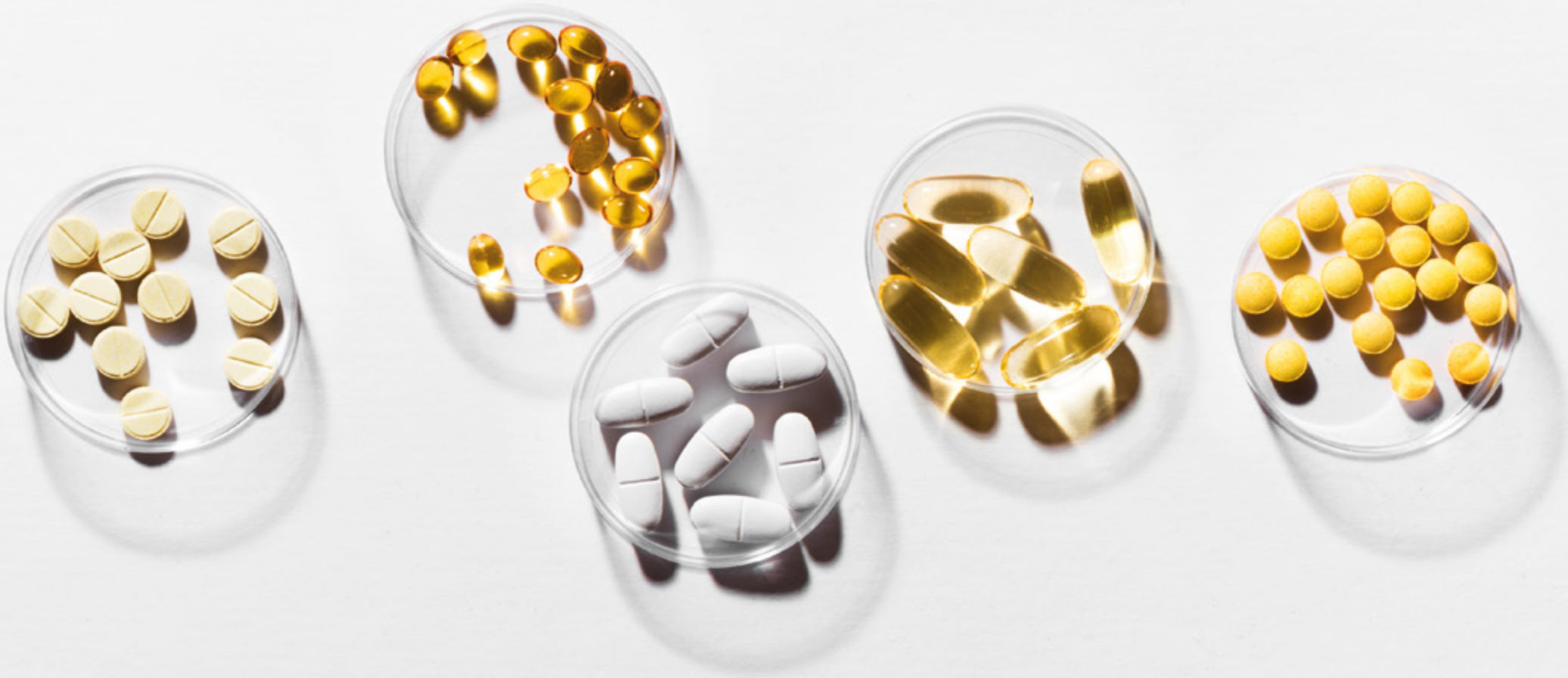
Product	CAS no.	Registration					Comments	Description
		CEP	ASMF	JDMF	CN-DMF	US-DMF		
Omega-3 Pharma API's								
Maxomega® EPA 96 EE	86227-47-6				●	●	IN-DMF	Highly concentrated and purified EPA marine omega-3 oil. Classified as a lipid-modifying agent. Used to reduce triglyceride levels.
Maxomega® EPA 97 EE	86227-47-6			●			JP	
Maxomega® DHA 95 EE AS	DHA EE 81926-94-5						US DMF in preparation	Docosahexanoic acid ethylester, algal based, no drug product approved so far.
Omega-3-acid ethyl esters (K85EE)	EPA EE 86227-47-6 DHA EE 81926-94-5	●		●	●	●	USP, Ph. Eur., KR-DMF	Highly concentrated and purified EPA/DHA marine omega-3 oil. Classified as a lipid-modifying agent. Used to reduce triglyceride levels.
CN 600 TG	10417-94-4 (EPA) 6217-54-5 (DHA)	●			●		Ph. Eur.	Omega-3-acid triglycerides. Intended for parenteral nutrition.

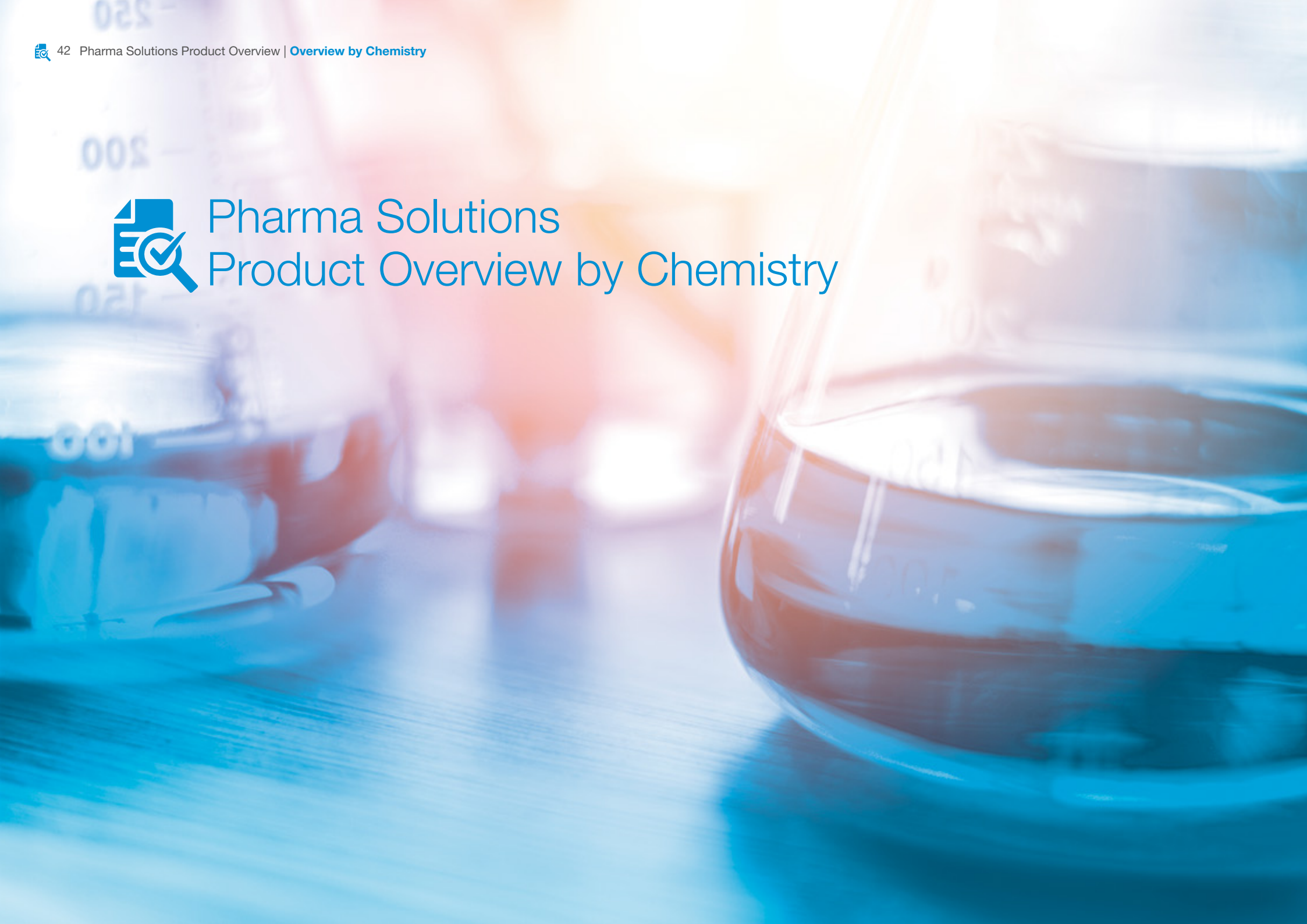
Further omega-3 products might be available on special request only

Product	CAS no.	EPA (min.)	DHA (min.)	EPA + DHA (min.)	Description
Omega-3 Nutrition					
PronovaPure® 46:38 EE	EPA EE 86227-47-6 / DHA EE 81926-94-5	430 mg/g	347 mg/g	800 mg/g	Highly concentrated and purified marine omega-3 oil.
PronovaPure® 500:200 EE	EPA EE 86227-47-6 / DHA EE 81926-94-5	500 mg/g	200 mg/g	700 mg/g	Highly concentrated and purified marine omega-3 oil.
PronovaPure® 460:180 EE	EPA EE 86227-47-6 / DHA EE 81926-94-5	460 mg/g	180 mg/g	640 mg/g	Highly concentrated and purified marine omega-3 oil.
PronovaPure® 400:200 EE	EPA EE 86227-47-6 / DHA EE 81926-94-5	400 mg/g	200 mg/g	600 mg/g	Highly concentrated and purified marine omega-3 oil.
PronovaPure® 360:240 EE	EPA EE 86227-47-6 / DHA EE 81926-94-5	360 mg/g	240 mg/g	600 mg/g	Highly concentrated and purified marine omega-3 oil.
PronovaPure® 150:500 EE	EPA EE 86227-47-6 / DHA EE 81926-94-5	150 mg/g	500 mg/g	650 mg/g	Highly concentrated and purified marine omega-3 oil.
PronovaPure® 500:200 TG	EPA 10417-94-4 / DHA 6217-54-5	500 mg/g	200 mg/g	700 mg/g	Highly concentrated and purified marine omega-3 oil.
PronovaPure® 400:200 TG	EPA 10417-94-4 / DHA 6217-54-5	400 mg/g	200 mg/g	600 mg/g	Highly concentrated and purified marine omega-3 oil.
PronovaPure® 360:240 TG	EPA 10417-94-4 / DHA 6217-54-5	360 mg/g	240 mg/g	600 mg/g	Highly concentrated and purified marine omega-3 oil.
PronovaPure® 150:500 TG	EPA 10417-94-4 / DHA 6217-54-5	150 mg/g	500 mg/g	650 mg/g	Highly concentrated and purified marine omega-3 oil.

PronovaPure® is to be used in dietary supplement applications only

EE Ethyl ester form TG Triglyceride form





Pharma Solutions
Product Overview by Chemistry

Excipients

Chemistry	USP-NF	Ph. Eur.	JP/JPE	Not monographed/ Co-processed excipients	BASF brand name	Page
Cetostearyl alcohol	Cetostearyl alcohol	Cetostearyl alcohol	Cetostearyl alcohol		Kolliwax® CSA 50, 70	18, 21, 33
Cetostearyl alcohol (type A), emulsifying		Cetostearyl alcohol (type A), emulsifying			Kolliphor® CS A	17, 18
Cetyl alcohol	Cetyl alcohol	Cetyl alcohol			Kolliwax® CA	18, 21
Cetyl palmitate 15		Cetyl palmitate 15			Kollicream® CP 15	15
Coco-caprylate-caprate	Cocoyl carylocaprate	Cocoyl caprylocaprate			Kollicream® 3 C	15
Copovidone	Copovidone	Copovidone	Copovidone		Kollidon® VA 64, VA 64 Fine	07, 13, 19, 20, 26, 27, 32
Crospovidone	Crospovidone	Crospovidone	Crospovidone		Kollidon® CL, CL-F, CL-SF, CL-M	07, 20, 21, 31
Decyl oleate		Decyl oleate			Kollicream® DO	15
Ethylene glycol and vinyl alcohol graft copolymer	Ethylene glycol and vinyl alcohol graft copolymer	Macrogol poly(vinyl alcohol) grafted copolymer	Polyvinyl alcohol-polyethylene glycol graft copolymer		Kollicoat® IR	07, 10, 19
Excipient based on Kollicoat® IR and monographed raw materials				Excipient based on Kollicoat® IR and monographed raw materials	Kollicoat® Protect	10
Hard fat		Hard fat			Novata® B PH, BC PH, BCF PH	21, 33
Hydrogenated castor oil	Hydrogenated castor oil	Castor oil, hydrogenated	Hydrogenated oil		Kolliwax® HCO	09, 10, 13, 18, 33
Isopropyl myristate	Isopropyl myristate	Isopropyl myristate			Kollicream® IPM	15, 20, 21
Macrogol cetostearyl ether 12		Macrogol cetostearyl ether 12			Kolliphor® CS 12	16, 33
Medium-chain triglycerides	Medium-chain triglycerides	Triglycerides, medium-chain			Kollisolv® MCT 70	13, 16, 21, 28, 30, 32
Methacrylic acid and ethyl acrylate copolymer NF	Methacrylic acid and ethyl acrylate copolymer	Methacrylic acid – ethyl acrylate copolymer (1:1) type A	Dried methacrylic acid copolymer LD		Kollicoat® MAE 100-55, MAE 100-55 Fine	11, 26
Methacrylic acid copolymer dispersion	Methacrylic acid copolymer dispersion	Methacrylic acid – ethyl acrylate copolymer (1:1) dispersion 30%	Methacrylic acid copolymer LD		Kollicoat® MAE 30 DP	11
Methyl-methacrylate – diethylaminoethyl methacrylate co-polymer				Methyl-methacrylate – diethylaminoethyl methacrylate co-polymer	Kollicoat® Smartseal 100 P	10, 12
Methyl-methacrylate – diethylaminoethyl methacrylate co-polymer				Methyl-methacrylate – diethylaminoethyl methacrylate co-polymer	Kollicoat® Smartseal 30 D	10, 12

Excipients

Chemistry	USP-NF	Ph. Eur.	JP/JPE	Not monographed/ Co-processed excipients	BASF brand name	Page
Mixture of cetyl stearyl alcohol, sodium lauryl sulfate and sodium cetyl stearyl sulfate				Mixture of cetyl stearyl alcohol, sodium lauryl sulfate and sodium cetyl stearyl sulfate	Kolliphor® CSL	17, 18
Mono- and di-glycerides	Mono- and di-glycerides	Glycerol monostearate 40-55 (type II)			Kolliwax® GMS II	13, 18, 33
Myristyl alcohol	Myristyl alcohol				Kolliwax® MA	18
Octyldodecanol	Octyldodecanol	Octyldodecanol			Kollicream® OD	15, 20, 21
Oleyl alcohol	Oleyl alcohol	Oleyl alcohol			Kollicream® OA	15, 20
Partially-neutralized methacrylic acid and ethyl acrylate copolymer	Partially-neutralized methacrylic acid and ethyl acrylate copolymer	Methacrylic acid – ethyl acrylate copolymer (1:1), type B			Kollicoat® MAE 100 P	11, 20, 26
Poloxamer 124	Poloxamer 124	Poloxamer 124	Polyoxyethylene (20) poly-oxypropylene (20) glycol		Kollisolv® P 124 Geismar	12, 17, 28, 30, 32, 33
Poloxamer 188	Poloxamer 188	Poloxamer 188	Polyoxyethylene (160) poly-oxypropylene (30) glycol		Kolliphor® P 188 Geismar, P 188 micro Geismar, P 188 Bio	08, 09, 17, 18, 19, 20, 23, 25, 27, 28, 29, 33, 35
Poloxamer 338	Poloxamer 338	Poloxamer 338			Kolliphor® P 338 Geismar	17, 18, 25, 27, 28, 29, 33
Poloxamer 407	Poloxamer 407	Poloxamer 407	Polyoxyethylene (196) poly-oxypropylene (67) glycol		Kolliphor® P 407 Geismar, P 407 micro Geismar	08, 09, 17, 18, 25, 27, 28, 29, 31, 33
Polyethylene glycol	Polyethylene glycol	Macrogol	Macrogol		Kollisolv® PEG 300, 300 G, 400, 400 G, 400 LA, 600, 600 LA, 1000, 1450, 3350, 8000	12, 16, 18, 19, 21, 25, 28, 30, 32
Polyethylene glycol 15 hydroxystearate	Polyoxyl 15 hydroxystearate	Macrogol 15 hydroxystearate			Kolliphor® HS 15	16, 20, 23, 25, 27, 29, 31, 33, 36
Polyoxyl 20 cetostearyl ether	Polyoxyl 20 cetostearyl ether	Macrogol cetostearyl ether 20			Kolliphor® CS 20	16, 33
Polyoxyl 35 castor oil	Polyoxyl 35 castor oil	Macrogolglycerol ricinoleate 35	Polyoxyl 35 castor oil		Kolliphor® EL, ELP	16, 20, 23, 25, 27, 29, 33, 36
Polyoxyl 40 hydrogenated castor oil	Polyoxyl 40 hydrogenated castor oil	Macrogolglycerol hydroxystearate			Kolliphor® RH 40	12, 16, 25, 27, 29, 33
Polysorbate 20	Polysorbate 20	Polysorbate 20			Kolliphor® PS 20	16, 21, 25, 27, 29, 33
Polysorbate 60	Polysorbate 60	Polysorbate 60	Polysorbate 60		Kolliphor® PS 60	16, 21, 25, 27, 29, 33
Polysorbate 80	Polysorbate 80	Polysorbate 80			Kolliphor® PS 80	12, 16, 21, 25, 27, 29, 33
Polyvinyl acetate dispersion	Polyvinyl acetate dispersion	Polyvinyl acetate dispersion			Kollicoat® SR 30 D	10, 12, 19
Polyvinyl caprolactam – polyvinyl acetate – polyethylene glycol graft copolymer				Polyvinyl caprolactam – polyvinyl acetate – polyethylene glycol graft copolymer	Soluplus®	19, 20, 25, 26, 27, 32

Excipients

Chemistry	USP-NF	Ph. Eur.	JP/JPE	Not monographed/ Co-processed excipients	BASF brand name	Page
Povidone	Povidone	Povidone	Povidone		Kollidon® 12 PF, 17 PF, 25, 30, 30 LP, 90 F	07, 13, 19, 20, 23, 25, 26, 27, 28, 31, 32
Propylene glycol	Propylene glycol	Propylene glycol	Propylene glycol		Kollisolv® PG	12, 15, 16, 19, 20, 21, 28, 30, 32
Pyrrolidone		Pyrrolidone			Kollisolv® PYR	15, 28, 30
Sodium cetostearyl sulfate		Sodium cetostearyl sulfate			Kolliphor® CSS	17
Sodium lauryl sulfate	Sodium lauryl sulfate	Sodium laurilsulfate	Sodium lauryl sulfate		Kolliphor® SLS, SLS Fine	08, 09, 17, 25, 27, 29
SML 20		Sorbitan Laurate			Kolliphor® SML 20	12, 17
Stearic acid 50	Stearic acid 50	Stearic acid 50	Stearic acid 50		Kolliwax® S, S Fine	09, 13, 18, 33
Stearyl alcohol	Stearyl alcohol	Stearyl alcohol	Stearyl alcohol		Kolliwax® SA	09, 18, 21
Triacetin					Kollisolv® GTA	12, 16, 19, 20, 28, 30
90% Mannitol, 5% Crospovidone, 5% Polyvinyl acetate				90% Mannitol, 5% Crospovidone, 5% Polyvinyl acetate	Ludiflash®	08
93% Lactose, 3.5% Povidone, 3.5% Crospovidone				93% Lactose, 3.5% Povidone, 3.5% Crospovidone	Ludipress®	08
96.5% Lactose, 3.5% Povidone				96.5% Lactose, 3.5% Povidone	Ludipress® LCE	08
80% Polyvinyl acetate and 19% Povidone, 0.8% Lauryl sulfate and 0.2% Silica (4:1)				80% Polyvinyl acetate and 19% Povidone, 0.8% Lauryl sulfate and 0.2% Silica (4:1)	Kollidon® SR	08, 19, 20, 26
86.5% Lactose, 3.5% Ethylene glycol and vinyl alcohol graft copolymer, 9% Crospovidone, 1% Sodium stearyl fumarate				87% Lactose, 3% ethylene glycol and vinyl alcohol graft copolymer, 9% Crospovidone, 1% Sodium stearyl fumarate	Kollitab® DC 87L	08

Liquid plasticizer. Also used as emulsifier and co-emulsifier in oral formulations.

Ph.Eur.: Sorbitan Laurate

APIs

Chemistry	USP-NF	Ph. Eur.	JP/JPE	Not monographed/ Co-processed excipients	BASF brand name	Page
Azelaic acid				Azelaic acid 99% (Dermaz® 99)	Azelaic acid 99% (Dermaz® 99)	39
Dexpanthenol	Dexpanthenol	Dexpanthenol			Dexpanthenol Ph. Eur.	39
Docosahexaenoic acid ethyl ester					Maxomega® DHA 95 EE AS	40
Eicosapentaenoic acid ethyl ester			Ethyl icosapentate		Maxomega® EPA 96 EE Maxomega® EPA 97 EE	40
Ibuprofen	Ibuprofen	Ibuprofen	Ibuprofen		Ibuprofen 25, 38, 50, 70	39
Ibuprofen DC 85 W	Not monographed				Ibuprofen DC 85 W	39
Ibuprofen sodium dihydrate	Ibuprofen sodium dihydrate	Ibuprofen sodium dihydrate	Ibuprofen sodium dihydrate		Ibuprofen sodium dihydrate	39
Menthol	Menthol	Levomenthol	L-menthol		L-menthol pharma	39
Omega-3-acid ethyl esters	Omega-3-acid ethyl esters	Omega-3-acid ethyl esters 90			Omega-3-acid ethyl esters (K85EE)	40
Omega-3-acid triglycerides		Omega-3-acid triglycerides			CN 600 TG	40
Polyvinylpyrrolidone iodine	Povidone-Iodine	Povidone, iodinated	Povidone-Iodine		PVP-Iodine 30/06	39

Nutritional products

Chemistry	USP-NF	Ph. Eur.	JP/JPE	Not monographed/ Co-processed excipients	BASF brand name	Page
Omega-3-acid triglycerides		Omega-3-acid triglycerides			PronovaPure® 500:200 TG	40
Omega-3-acid triglycerides		Omega-3-acid triglycerides			PronovaPure® 400:200 TG	40
Omega-3-acid triglycerides		Omega-3-acid triglycerides			PronovaPure® 360:240 TG	40
Omega-3-acid triglycerides		Omega-3-acid triglycerides			PronovaPure® 150:500 TG	40
Omega-3-acid ethyl esters		Omega-3-acid ethyl esters			PronovaPure® 500:200 EE	40
Omega-3-acid ethyl esters		Omega-3-acid ethyl esters			PronovaPure® 400:200 EE	40
Omega-3-acid ethyl esters		Omega-3-acid ethyl esters			PronovaPure® 360:240 EE	40
Omega-3-acid ethyl esters		Omega-3-acid ethyl esters			PronovaPure® 150:500 EE	40
Omega-3-acid ethyl esters		Omega-3-acid ethyl esters			PronovaPure® 460:180 EE	40
Omega-3-acid ethyl esters		Omega-3-acid ethyl esters			PronovaPure® 46:38 EE	40

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