

Pharmaceuticals
Dermatology
Delivering your
Solution
Animal Health
Nutraceuticals
Functional Foods



CRODA

Pharmaceuticals

Ultra-pure products meeting the exacting standards of international pharmacopoeia. Our products are used across parenteral, oral, ophthalmic, nasal, vaginal and suppository formulations.



Dermatology

Our dermatological product range includes drug delivery systems, emollients, emulsifiers and solubilisers for skin moisturisation, barrier repair and wound healing.



Animal Health

A wide range of speciality ingredients used to enhance the delivery, efficacy and stability of actives in many types of livestock, equine and companion animal health products.



Nutraceuticals

High purity omega 3 concentrates manufactured using PureMax™, our advanced purification and concentration technology.



Functional Foods

Concentrated omega 3 food emulsions delivered through state of the art micro-encapsulation technology for use across food and beverage applications.



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Introduction

Croda Health Care is a world leading supplier of high purity ingredients suitable for use across the pharmaceutical, dermatological, animal health, nutraceutical and functional food markets. Ingredients range from Super Refined™ excipients to ultra-pure medical grade lanolins and omega 3 lipid concentrates. The majority of our products meet the stringent requirements of the pharmaceutical industry, being compliant with PhEur, USP/NF and JP/JPE monographs.

Using the guide

Product Applications and Properties

Product suitability for topical, oral and/or parenteral applications as stated throughout this guide is offered as a guide to formulators only. It remains the responsibility of any prospective manufacturer to ensure all aspects of Croda's products are suitable for the pharmaceutical purpose intended. For clarity, only those parenteral excipients that appear on the FDA list of inactive ingredients and that comply with the appropriate monograph are listed in this guide for parenteral use.

Physical Form

Product physical forms at 25°C are provided for guidance and do not constitute specification descriptions. An indication of the product melting point (m.p.) has also been included where relevant. Full product specifications are available on request.

HLB Values

Where relevant we have included HLB values for our products. The HLB (hydrophilic-lipophilic balance) is an expression of the relative simultaneous attraction of a surfactant for water and oil, i.e. the balance between the hydrophilic and lipophilic portions of the molecule. We have also listed required HLB values where appropriate, which indicate the HLB value of the surfactant required to produce a stable emulsion system.

The given HLB and required HLB values are intended for formulators who are acquainted with the HLB system. Please contact your local Croda office if you require advice.

Abbreviations

API	Active Pharmaceutical Ingredient	MEA	Monoethanolamine
DEA	Diethanolamine	m.p.	melting point
DHA	Docosahexaenoic Acid	Mw	Molecular weight
EE	Ethyl Ester	NF	National Formulary
EPA	Eicosapentaenoic Acid	O/W	Oil-in-Water
FDA IIG	Food and Drug Administration Inactive Ingredients Guide	PEG	Polyethylene Glycol
GMP	Good Manufacturing Practice	PhEur	European Pharmacopoeia
GOED	Global Organisation for EPA and DHA Omega-3	PPG	Polypropylene Glycol
HLB	Hydrophilic-lipophilic Balance	TG	Triglyceride
JP	Japanese Pharmacopoeia	USP	United States Pharmacopoeia
JPE	Japanese Pharmaceutical Excipients	W/O	Water-in-Oil

Website

For our most up-to-date product listing and more detailed information including product datasheets, brochures, webinars and to request samples, please login to the Croda Health Care extranet facility at www.croda.com/healthcare or contact your local Croda office.

Non-warranty

The information in this publication is believed to be accurate and is given in good faith, but no representation or warranty as to its completeness or accuracy is made. Suggestions for uses or applications are only opinions. Users are responsible for determining the suitability of these products for their own particular purpose. No representation or warranty, expressed or implied, is made with respect to information or products including, without limitation, warranties of merchantability, fitness for a particular purpose, non-infringement of any third party patent or other intellectual property rights including, without limit, copyright, trademark and designs. Any trademarks identified herein are trademarks of the Croda group of companies.

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High Purity Vegetable Oils

Super Refining is a proprietary process which removes polar and oxidative impurities from oils without altering their basic composition. This reduces the potential for interaction between solubiliser and API and enhances active stability. Our Super Refined™ oils offer the highest and most consistent quality, often exceeding pharmacopoeia expectations. They also have excellent organoleptic properties, as they are essentially colourless and low in both odour and taste.

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	Application			Monograph*				Product Description
			Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG	
Super Refined™ Corn NF EP	Maize Oil, Refined PhEur; Corn Oil NF	Clear, essentially colourless liquid	■	■	■	✓	✓		✓	Corn-derived triglyceride that is ideal for use in pharmaceutical formulations and is primarily used as a solvent for intramuscular injections or as a vehicle for topical preparations. May be used in tablets or capsules for oral dosage. Also available as a grade that contains no preservatives. Recommended topical usage levels of 0.5-5%.
Super Refined™ Castor Oil USP	Castor Oil, Virgin PhEur; Castor Oil USP; Castor Oil JP	Clear, essentially colourless liquid	■	■	■	✓	✓	✓	✓	A triglyceride of fatty acids composed of ricinoleic acid, oleic acid, linoleic acid, palmitic acid and stearic acid. It is commonly used in topical creams and ointments as well as in oral tablet and capsule formulations. May also be used in ophthalmic emulsions and as a solvent for intramuscular injections. Recommended topical usage levels of 5-12.5%.
Super Refined™ Cottonseed NF	Cottonseed Oil NF	Clear, essentially colourless liquid	■	■	■		✓		✓	Cottonseed-derived triglyceride that can be used as a solvent and vehicle for injectables, as an emollient vehicle for other medications and orally as a mild cathartic. It can also be used as a tablet binder and in the manufacturing of stable oral pharmaceutical powders. Also available as a grade that contains no preservatives. Recommended topical usage levels of 0.5-5%.
Super Refined™ Olive NF	Olive Oil NF	Clear, essentially colourless liquid	■	■			✓		✓	Olive-derived triglyceride that can be used topically as an emollient and lubricant. Excipient in emulsions, ointments, liniments, ophthalmic and otic preparations and oral capsules. Also available as a grade that contains no preservatives. Recommended topical usage levels of 0.5-5%.
Super Refined™ Peanut NF	Arachis Oil, Refined PhEur; Peanut Oil NF	Clear, essentially colourless liquid	■	■	■	✓	✓		✓	Peanut-derived triglyceride that is suitable for use as an excipient in pharmaceutical formulations, as a solvent for sustained-release intramuscular injections and as a vehicle for topical preparations, nasal drug delivery systems and controlled-release injectables. In addition, it can be used in emulsions that are used in nutritional applications. Also available as a grade that contains no preservatives. Recommended topical usage levels of 0.5-5%.
Super Refined™ Safflower USP	Safflower Oil USP	Clear, essentially colourless liquid	■		■		✓		✓	Rich in the essential fatty acid linoleic acid, this is a widely used emollient in the treatment of dry skin and eczema. Also available as a grade that contains no preservatives. Recommended topical usage levels of 0.5-5%.
Super Refined™ Sesame NF	Sesame Oil, Refined PhEur; Sesame Oil NF; Sesame Oil JP	Clear, essentially colourless liquid	■	■	■	✓	✓	✓	✓	Sesame-derived triglyceride that finds use as a solvent in the preparation of sustained-release intramuscular/subcutaneous injections of oil soluble actives such as steroids and avermectins. Can also be used as an excipient in suspensions, emulsions, ointments, liniments, ophthalmic preparations, oral capsules and suppositories. Also available are grades that contain no preservatives, reduced levels of antioxidants and a grade with a reduced peroxide value specification. Recommended topical usage levels of 0.5-5%.
Super Refined™ Soybean	Soya-bean Oil, Refined PhEur; Soybean Oil NF; Soybean Oil JP	Clear, essentially colourless liquid	■	■	■	✓	✓	✓	✓	Soy-derived triglyceride that can be used as a fat source in parenteral nutritional applications. It can also be used as a vehicle for oral and intravenous drug administration and as an emollient in topical preparations. Recommended topical usage levels of 0.5-5%.

*When ordering a product, please specify which of the indicated monograph(s) are required, as for many products we offer multiple grades to suit your compliancy requirements

High Purity Vegetable Oils

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	Application			Monograph*				Product Description
			Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG	
Vet Pur™ Canola Oil	Canola Oil	Liquid	■				✓			Vegetable oil for use as a vehicle or solvent in veterinary formulations such as parasiticides, hormones, antibiotics and anti-inflammatories, with good oxidative stability. Compatible with components of injectable, topical (pour-on) and oral veterinary formulations. Recommended usage levels of up to 100%.
Vet Pur™ Castor Oil	Castor Oil	Liquid	■			✓				
Vet Pur™ Sesame Oil	Sesame Oil	Liquid	■				✓			
Vet Pur™ Soybean Oil	Soybean Oil	Liquid	■				✓			

High Purity Fatty Acids

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	Application			Monograph*				Product Description
			Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG	
Super Refined™ Oleic Acid NF	Oleic Acid PhEur; Oleic Acid NF; Purified Oleic Acid JPE	Clear, essentially colourless liquid	■	■		✓	✓	✓	✓	Highly purified oleic acid used as an emulsifying agent in topical pharmaceutical formulations. Ideal for nasal drug delivery and as a penetration enhancer in transdermal formulations. In addition, it can be used to improve the bioavailability of poorly water soluble drugs in tablet formulations and as part of a vehicle in soft gel-caps. Recommended topical usage levels of 0.5-5%.
Prisorine™ 3505	Isostearic acid	Yellow liquid	■						✓	Prisorine 3505 is a vegetable-derived mild liquid fatty acid that offers a light lubricious feel, preventing dry afterfeel of topical products. It promotes low viscosity and excellent superfating and film forming properties. Prisorine 3505 acts as a cleansing agent, emollient and O/W emulsifier and is compatible with cold processing. Recommended topical usage levels: 0.5-5%

High Purity Ethers

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	Application			Monograph*				Product Description
			Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG	
Super Refined™ Arlasolve™ DMI	Dimethyl Isosorbide	Clear, essentially colourless liquid	■						✓	High purity liquid for use with poorly soluble hydrophilic and hydrophobic actives. Enhances the formulation and API stability in transdermal delivery systems. Also used in dental care products. Recommended topical usage levels of 2-10%.

*When ordering a product, please specify which of the indicated monograph(s) are required, as for many products we offer multiple grades to suit your compliancy requirements

Emollient Esters

As emollients, the Crodamol™ range enables the formulation of creams, lotions and ointments with superior application and aesthetic properties. Liquid Crodamols™ are also especially useful as vehicles for the delivery of lipophilic actives, while solid waxy Crodamols™ help to build emulsion viscosity and promote emulsion stability.

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	Application			Monograph*				Product Description
			Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG	
Crodamol™ AB	Alkyl (C12-15) Benzoate NF	Colourless liquid	■				✓			Light, non-greasy emollient with excellent solvency and spreading properties. Required HLB value of 12. Recommended topical usage levels of 0.5-5%.
Crodamol™ CAP	Cetostearyl Ethylhexanoate (and) Isopropyl Myristate	Colourless liquid	■							Branched chain ester with excellent spreading properties. Vehicle in pour-on endectocides for veterinary applications. Required HLB value of 8. Recommended topical usage levels of 2-10%.
Crodamol™ CL	Cetyl Lactate	White waxy solid	■							Straight chain emollient ester. Soluble in some glycols and compatible with synthetic oils. Generally used in creams or lotions targeting problematic skin.
Crodamol™ CP	Cetyl Palmitate PhEur	White solid	■			✓			✓	Dry emollient. Improves emulsion texture and stability. Required HLB value of 9 (70°C). Recommended topical usage levels of 1-5%.
Crodamol™ DA	Diisopropyl Adipate JPE	Colourless liquid	■					✓	✓	Very low viscosity ester, soluble in alcohol and aqueous alcoholic systems. Excellent solvency and spreading properties. Required HLB value of 9. Recommended topical usage levels of 0.5-5%.
Crodamol™ EO	Ethyl Oleate PhEur; Ethyl Oleate NF	Pale yellow liquid	■	■		✓	✓		✓	Low viscosity solvent for lipophilic actives. Rapidly absorbed by body tissues. Dermal penetration enhancer. Required HLB value of 11. Recommended topical usage levels of 0.5-5%.
Crodamol™ GTCC	Triglycerides, Medium-Chain PhEur; Medium-Chain Triglycerides NF (Caprylic/Capric Triglycerides)	Colourless liquid	■	■	■	✓	✓		✓	Solubiliser and carrier for oil soluble actives. Nutritional source of lipids for medicinal foods. Good emollient with excellent oxidative stability. Filler in capsules and tablets. Lubricant for gelatin capsules and tablets. Vehicle for anti-parasitic pour-ons. Proven in parenteral applications although not listed for this purpose in the FDA guide. Required HLB value of 10. Recommended topical usage levels of 0.5-20%.
Crodamol™ GTEH	Triethylhexanoin	Colourless liquid	■							Light and elegant skin feel with good spreadability. Gives dry lubrication with exceptional skin coverage. Recommended topical usage levels of 0.5-5%.
Crodamol™ ICS	Isocetyl Stearate	Clear pale yellow liquid	■							Low viscosity branched chain emollient with high spreading capacity. Required HLB value of 8. Recommended topical usage levels of 2-15%.
Crodamol™ IPM	Isopropyl Myristate PhEur; Isopropyl Myristate NF; Isopropyl Myristate JPE	Colourless liquid	■			✓	✓	✓	✓	Pharmaceutical grade of isopropyl myristate. Solvent used in topical formulations to encourage rapid absorption into skin. An additional grade produced by enzymatic catalysis is also available on request. Required HLB value of 10. Recommended topical usage levels of 0.5-5%.
Crodamol™ IPP	Isopropyl Palmitate PhEur	Colourless liquid	■			✓			✓	Pharmaceutical grade of isopropyl palmitate. An easy spreading, non-occlusive dry emollient. Required HLB value of 10. Recommended topical usage levels of 0.5-5%.
Crodamol™ IPIS	Isopropyl Isostearate	Pale yellow liquid	■						✓	A light, easy spreading emollient that offers superb moisturisation and moderate water resistancy. Recommended topical usage levels of 1-3%.

*When ordering a product, please specify which of the indicated monograph(s) are required, as for many products we offer multiple grades to suit your compliancy requirements

Emollient Esters

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	Application			Monograph*				Product Description
			Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG	
Crodamol™ ISIS	Isostearyl Isostearate	Colourless liquid	■							A substantive emollient suitable for a wide range of topical applications. Demonstrated skin moisture-barrier enhancing effects. Required HLB value of 11.
Crodamol™ ML	Myristyl Lactate	Clear pale yellow liquid (may crystallise over time)	■						✓	Versatile emollient with good solubility in aqueous alcoholic and glycol solutions. Crodamol ML delivers a velvety skin feel when used in topical formulations. Liquefies at body temperature, offering a perceived cooling effect. Required HLB value of 12 (70°C). Recommended topical usage levels of 1-10%.
Crodamol™ MM	Myristyl Myristate JPE	Off-white waxy solid	■						✓	Dry emollient feel. Improves emulsion texture and stability. Bodying agent. Required HLB value of 8 (70°C). Recommended topical usage levels of 3-10%.
Crodamol™ OHS	Ethylhexyl Hydroxystearate	Pale yellow liquid/off-white solid	■							Rich, persistent branched chain emollient with a high viscosity. Required HLB value of 12. Recommended topical usage levels of 0.5-10%.
Crodamol™ OP	Ethylhexyl Palmitate	Colourless liquid	■							Excellent moisturiser with low comedogenicity. Branched chain, light, non-greasy oil. Suitable for use in facial and body products. Good mineral oil alternative. Required HLB value of 8. Recommended topical usage levels of 2-10%.
Crodamol™ OPG	Ethylhexyl Pelargonate	Colourless liquid	■							Branched chain structure that provides excellent spreading capacity. Effective wetting agent. Required HLB value of 10. Recommended topical usage levels of 2-5%.
Crodamol™ OS	Ethylhexyl Stearate	Colourless liquid	■							Non-occlusive, branched chain emollient with good spreading properties. Required HLB value of 8. Recommended topical usage levels of 2-10%.
Crodamol™ PC	Propylene Glycol Dicaprylocaprate PhEur; Propylene Glycol Dicaprylocaprate NF	Colourless/very pale yellow liquid	■			✓	✓		✓	Low viscosity solvent with good spreading properties. Skin penetration enhancer. Vehicle for anti-parasitic pour-ons. Required HLB value of 8. Recommended topical usage levels of 2-10%.
Crodamol™ PMP	PPG 2 Myristyl Ether Propionate	Colourless liquid	■							Low viscosity solvent with excellent spreading properties. Light textured emollient which reduces greasiness of formulations. Vehicle for anti-parasitic pour-ons. Required HLB value of 9. Recommended topical usage levels of 0.5-10%.
Crodamol™ PTC	Pentaerythrityl Tetracaprylate/Caprates	Colourless liquid	■							High viscosity emollient tetraester developed specially for cosmetic and dermatological applications. Low comedogenicity. Required HLB value of 11. Recommended topical usage levels of 1-10%.
Crodamol™ PTIS	Pentaerythrityl Tetraistearate	Clear yellow liquid	■							Rich, non-comedogenic emollient with low spreading capacity and high viscosity. Water repellent. Good alternative to castor oil for skin creams and lotions. Required HLB value of 7. Recommended topical usage levels of 1-10%.
Crodamol™ SS	Cetyl Palmitate PhEur; Cetyl Esters Wax NF	White/pale yellow pastilles, m.p. 43-47°C	■	■		✓	✓		✓	Emollient and bodying agent for creams and ointments. A vegetable-derived substitute for spermaceti wax. Required HLB value of 7 (70°C). Recommended topical usage levels of 0.5-10%.

*When ordering a product, please specify which of the indicated monograph(s) are required, as for many products we offer multiple grades to suit your compliancy requirements

Emollient Esters

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	Application			Monograph*				Product Description
			Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG	
Crodamol™ STS	PPG 3 Benzyl Ether Myristate	Clear pale yellow liquid	■							Provides silicone-like feel with superior emulsion formation and stability. Effective wetting agent for pigments. Provides enhanced wash-off resistance in creams and lotions. Required HLB value of 9. Recommended topical usage levels of 0.5-4%.
Crodamol™ W	Stearyl Heptanoate (and) Stearyl Caprylate	Off-white waxy solid	■							Highly water repellent emollient which melts on skin contact, creating a cooling effect. Improves texture and skin feel of anhydrous systems. Excellent solvent. Required HLB value of 8 (70°C). Recommended topical usage levels of 0.5-5%.
Cromollient™ SCE	Di-PPG 2 Myreth-10 Adipate	Colourless liquid	■							Delivers silky smooth emollience for detergent systems such as facial, hand and body washes. Suitable for clear surfactant systems. Recommended topical usage levels of 1-5 % in detergent systems, 1-20% in other systems.
Super Refined™ Crodamol™ IPM	Isopropyl Myristate PhEur; Isopropyl Myristate NF; Isopropyl Myristate JPE	Colourless liquid	■			✓	✓	✓	✓	Highly purified version of Crodamol IPM. Solvent used in topical formulations. Rapid absorption into the skin. Recommended topical usage levels of 0.5-5%.
Super Refined™ Crodamol™ MM	Myristyl Myristate JPE	White solid	■					✓		Highly purified version of Crodamol MM. Provides a dry, emollient feel and liquefies at body temperature. Improves emulsion texture and stability. Recommended topical usage levels of 3-10%.
Super Refined™ SCO	Stearyl Octanoate (and) Cetyl Octanoate	Colourless liquid	■							Highly purified branched chain ester, reducing the possibility of interaction between excipient and sensitive APIs. Excellent spreading and wetting properties. Recommended topical usage levels of 2-10%.

Other Emollients

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	Application			Monograph*				Product Description
			Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG	
Arlamol™ HD	Isohexadecane	Colourless liquid	■							An exceptionally light emollient with excellent spreading and cleansing properties that imparts a non-greasy, light skin feel. Recommended topical usage levels of 1-10%.

*When ordering a product, please specify which of the indicated monograph(s) are required, as for many products we offer multiple grades to suit your compliancy requirements

Waxes

Our range of waxes include emulsifying and stiffening waxes for all your formulation needs. Our offerings encompass monographed, natural and synthetic waxes.

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	Application			Monograph*				Product Description
			Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG	
ArlaceTM 1690	Sorbitan Isostearate (and) Polyglyceryl-3 Polyricinoleate	Yellow liquid	■							W/O emulsifier suitable for use in a wide range of oils, creams and milks. Finds use in baby care, body care and facial care applications. Recommended topical usage levels of 0.5-5%.
ArlaceTM 2121	Sorbitan Stearate (and) Sucrose Cocoate	Off-white flakes	■							O/W emulsifier. Stabilises emulsions of every type of oily material in water, irrespective of its required HLB. Soluble in paraffin oil at 60°C; dispersible in propylene glycol at 60°C. Recommended topical usage levels: medicated milks; 2-3%, medicated creams; 4-5.5% depending on oil volume.
ArlaceTM LC	Sorbitan Stearate (and) Sorbityl Laurate	Off-white powder	■							O/W emulsifier that promotes the formation of hydrosomes. Can be used to control viscosity. Recommended topical usage levels of 0.5-5%.
CrodafosTM CES	Cetearyl Alcohol (and) Dicetyl Phosphate (and) Ceteth-10 Phosphate	White pastilles, m.p. 51-58°C	■							Anionic emulsifying wax that produces stable thixotropic O/W emulsions, allowing rapid and effective delivery of actives to the skin. Recommended topical usage levels of 5-8%.
CrodexTM A	Cetostearyl Alcohol [Type B], Emulsifying PhEur	White/pale yellow wax, m.p. 45-56°C	■			✓			✓	Anionic emulsifying wax for fatty or paraffin bases that gives non-greasy O/W emulsions. Used in anhydrous ointment bases such as sunscreens and insect repellent creams. Recommended topical usage levels of 5-15%.
CrodexTM M	Cetearyl Alcohol (and) Potassium Cetyl Phosphate	White/off-white waxy solid, m.p. 50-55°C	■							Anionic emulsifying wax for fatty or paraffin bases that gives non-greasy O/W emulsions. Can be used in anhydrous systems. A mild alternative to sodium lauryl sulphate (SLS) for topical applications. Recommended topical usage levels of 5-30%.
CrodexTM N	Cetomacrogol Emulsifying Wax	White/off-white waxy solid, m.p. 45-53°C	■							Nonionic emulsifying wax that produces O/W emulsions, which are stable over a wide pH range and are unaffected by moderate concentrations of electrolytes. The good wetting properties of Crodex N facilitate contact and penetration of actives in dermatological applications. Also used in anhydrous ointment bases and barrier creams. Recommended topical usage levels of 5-20%.
PolawaxTM A-31	Emulsifying Wax	Creamy white solid, m.p. 50-54°C	■							Polawaxes are general purpose emulsifying waxes. They are stable in the presence of metal ions, heat (autoclavable) and over a wide pH range. Due to their versatility, Polawaxes can be used in skin systems, producing emulsions with excellent texture and stability. In skin care products the formation of liquid crystals within the emulsion promotes 'time release' hydration, and also functions as a slow release delivery mechanism for actives.
PolawaxTM GP-200	Cetanol (and) Polyethyleneglycol Monostearate Mixed Wax JPE	Off-white pastilles, m.p. 47-51°C	■					✓	✓	Recommended topical usage levels for Polawax A-31 are 1-8% and for Polawax GP-200 and Polawax NF are 2-25%.
PolawaxTM NF	Emulsifying Wax NF	White to pale yellow pastilles, m.p. 50-54°C	■				✓		✓	
Super RefinedTM Beeswax	Beeswax (White Wax) PhEur; Beeswax (White Wax) NF; Beeswax (White Wax) JPE	White flakes, m.p. 60-67°C	■	■		✓	✓	✓	✓	Highly purified beeswax used in sustained release oral dosage forms and to increase viscosity of creams and ointments. Modifies melting point of suppository bases. Recommended topical usage levels of 1-25%.
SyncrowaxTM BB4	Synthetic Beeswax	Pale yellow pastilles, m.p. 62-70°C	■						✓	Beeswax alternative used to build viscosity in creams. Also functions as a stabiliser for W/O emulsions. Recommended topical usage levels of 1-25%.
SyncrowaxTM ERLC	C18-36 Acid Glycol Ester	Pale yellow pastilles, m.p. 70-75°C	■							Used in the formulation of stable applicator sticks of fine texture and high strength. Improves emulsion stability and is similar to candelilla wax. Recommended topical usage levels of 1-10%.

*When ordering a product, please specify which of the indicated monograph(s) are required, as for many products we offer multiple grades to suit your compliancy requirements

Ethoxylated Glyceryl Esters

Our range of ethoxylated glyceryl esters function as solubilisers, water-in-oil and oil-in-water emulsifiers, wetting agents and water and alcohol soluble emollients.

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	HLB	Application			Monograph*				Product Description
				Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG	
Croduret™ 7	Macrogolglycerol Hydroxystearate PhEur (PEG 7 Hydrogenated Castor Oil)	White/pale yellow viscous liquid	5.0	■			✓				Vegetable-derived nonionic surfactants that differ in their degrees of ethoxylation. Widely used in a variety of oral formulations. Crodurets are virtually tasteless solubilisers for vitamins, medicated mouthwashes, essential oils and some drugs. They are also excellent emollients, superfatting agents and emulsion stabilisers. Croduret 7 is particularly recommended as a primary emulsifier in W/O systems, where it produces glossy lotions and soft creams and is suitable for use in cold-mix systems. Croduret 40, 50 and 60 are used as O/W emulsifiers and solubilisers. Croduret 50 is especially suited to the solubilisation of vitamins A and D. Recommended topical usage levels for Croduret 7 are 0.5-15%. Recommended topical usage levels for Crodurets 40, 50 and 60 are 0.5-10%.
Croduret™ 40	Macrogolglycerol Hydroxystearate PhEur; Polyoxyl 40 Hydrogenated Castor Oil NF (PEG 40 Hydrogenated Castor Oil)	White liquid/semi-solid	13.0	■	■		✓	✓		✓	
Croduret™ 50	Macrogolglycerol Hydroxystearate PhEur; Polyoxyl 40 Hydrogenated Castor Oil NF (PEG 40-45 Hydrogenated Castor Oil)	White/pale yellow semi-solid/liquid at 30°C	14.1	■	■		✓	✓			
Croduret™ 60	Macrogolglycerol Hydroxystearate PhEur (PEG 60 Hydrogenated Castor Oil)	White waxy solid	14.7	■			✓			✓	
Crovol™ A40	PEG 20 Almond Glycerides	Yellow liquid	10.0	■							
Crovol™ A70	PEG 60 Almond Glycerides	Yellow liquid/paste	15.0	■							The Crovols are primarily skin-friendly water soluble emollients and solubilisers. In addition, they also act as mildness additives in anionic and amphoteric detergent systems such as baby shampoos as they are proven to reduce irritancy. The grades differ according to which vegetable oil they are derived from. Recommended topical usage levels of 1-10%.
Crovol™ M70	PEG 60 Corn Glycerides	Clear yellow liquid/soft paste	15.0	■							
Crovol™ PK70	PEG 45 Palm Kernel Glycerides	Multiple forms available: liquid, paste	15.0	■							
Etocas™ 5	PEG 5 Castor Oil	Clear pale yellow liquid	3.9	■							Vegetable-derived nonionic surfactants, solubilisers and dispersants for fat soluble vitamins, volatile oils and other hydrophobic substances. The grades differ according to their degree of ethoxylation. Etocas 5 is a W/O emulsifier, while the other Etocas products are O/W emulsifiers. Etocas 35 is an excellent dispersant of nutritional and pharmaceutical ingredients, allowing an improved level of assimilation of the active. Recommended topical usage levels for Etocas 35 are 0.5-3%, and 0.5-10% for the rest of the Etocas range.
Etocas™ 15	PEG 15 Castor Oil	Clear to hazy yellow liquid	8.3	■							
Etocas™ 29	PEG 29 Castor Oil	Clear yellow liquid	11.7	■							
Etocas™ 35	Macrogolglycerol Ricinoleate PhEur; Polyoxyl 35 Castor Oil NF (PEG 35 Castor Oil)	Clear yellow liquid	12.7	■	■		✓	✓		✓	
Etocas™ 40	PEG 40 Castor Oil	Clear pale yellow liquid	13.0	■						✓	
Super Refined™ Etocas™ 35	Macrogolglycerol Ricinoleate PhEur; Polyoxyl 35 Castor Oil NF (PEG 35 Castor Oil)	Clear, essentially colourless liquid	12.7	■	■	■	✓	✓	✓	✓	This topical, oral and parenteral excipient is designed to provide the highest level of purity in a formulation that may contain extremely sensitive active ingredients. Suitable where maximum purity is needed to improve API stability. Super Refined Etocas 35 improves the solubilisation of vitamins and APIs, notably the chemotherapy drug paclitaxel.

*When ordering a product, please specify which of the indicated monograph(s) are required, as for many products we offer multiple grades to suit your compliancy requirements

Ethoxylated Glyceryl Esters

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	HLB	Application			Monograph*			Product Description
				Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	
Glycerox™ 767	PEG 6 Caprylic/Capric Glycerides	Pale yellow liquid	13.2	■						The Glycerox range are vegetable-based, nonionic, hydrophilic esters. Their functions include water and alcohol soluble emollients for topical applications, mildness additives for detergent systems and effective solubilisers for lipophilic actives. They do not adversely affect foaming in detergent systems. Recommended topical usage levels of 2-10%.
Glycerox™ 767HC	Macrogol 6 Glycerol Caprylocaprate PhEur; Caprylocaproyl Polyoxylglycerides NF (PEG 6 Caprylic/Capric Glycerides)	Pale yellow liquid	14.1	■			✓	✓		
Glycerox™ HE	Macrogolglycerol Cocoates PhEur (PEG 7 Glyceryl Cocoate)	Colourless/pale yellow liquid	10.6	■			✓			
Glycerox™ L15	PEG 15 Glyceryl Laurate	Colourless/pale yellow liquid	14.0	■						

Fatty Alcohols

The Crodacol™ range of saturated fatty alcohols are used extensively as wax-like emollients, emulsion stabilisers and bodying agents for topical preparations and are also used in delayed release solid oral dosage applications. As mono-unsaturated fatty alcohols, the Novol™ products offer excellent emolliency and solvency properties.

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	Application			Monograph*			Product Description
			Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	
Crodacol™ C70	Cetyl Alcohol	White pastilles	■	■				✓	The Crodacols are a range of saturated fatty alcohols of natural, non-animal origin. They find application in tablets, including delayed release solid dosage forms, topical, otic, ophthalmic, rectal and vaginal preparations. They are wax-like emollients and are also useful as viscosity builders in creams, lotions and anhydrous salves. They act as emulsion thickeners and stabilisers and also enhance the water absorption properties of ointments and W/O emulsions. Cetyl alcohol is insoluble in water, moderately soluble in ethyl alcohol and soluble in acetone. Stearyl alcohol is insoluble in water, soluble in ethyl alcohol and slightly soluble in acetone. The three Crodacol C products differ in their percentage content of cetyl alcohol. Recommended topical usage levels for the range are 2-30%.
Crodacol™ C90	Cetyl Alcohol PhEur; Cetyl Alcohol NF	White pastilles, m.p. 57-60°C	■	■		✓	✓	✓	
Crodacol™ C95	Cetyl Alcohol PhEur; Cetyl Alcohol NF	Waxy solid	■	■		✓	✓	✓	
Crodacol™ CS50	Cetostearyl Alcohol PhEur; Cetostearyl Alcohol NF	White pastilles	■	■		✓	✓	✓	
Crodacol™ CS90	Cetostearyl Alcohol PhEur; Cetostearyl Alcohol NF	White pastilles, m.p. 49-56°C	■	■		✓	✓	✓	
Crodacol™ S95	Stearyl Alcohol PhEur; Stearyl Alcohol NF	White pastilles, m.p. 57-60°C	■	■		✓	✓	✓	
Novol™	Oleyl Alcohol NF	Clear, essentially colourless oily liquid	■				✓	✓	
Super Refined™ Novol™ NF	Oleyl Alcohol NF	Clear, essentially colourless liquid	■				✓	✓	Highly purified lipid-based solubiliser and skin penetration enhancer. Ideal for wetting and dispersing actives within topical creams and ointment applications. It is an ideal excipient for use in transdermal drug delivery dosage forms.

*When ordering a product, please specify which of the indicated monograph(s) are required, as for many products we offer multiple grades to suit your compliancy requirements

Croda is a world leader in the manufacture of this excellent natural emollient, using state-of-the-art purification technologies to produce medical grade lanolins of exceptional purity, beyond that of monograph compliance.

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	Application			Monograph*				Product Description
			Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG	
Medilan™ Ultra	Modified Lanolin NF	White soft mass, m.p. 38-44°C	■				✓		✓	An ultra-pure grade of medical lanolin with barrier repair and wound healing properties. Its exceptional aesthetic properties and low drag make it particularly suitable for dermatological applications. Clinically proven for treating severely compromised skin. Recommended topical usage levels of 0.5-5%, although can be used neat on skin.
Medilan™ Super	Modified Lanolin NF	Off-white soft mass	■				✓		✓	Manufactured using our proprietary Super Refining process to deliver a medical grade product with superior aesthetics. This product is suited to compromised skin conditions such as eczema and psoriasis. Recommended topical usage levels of 1-10%, although can be used neat on skin.
Medilan™	Wool Fat PhEur; Modified Lanolin NF; Purified Lanolin JP	Yellow soft mass, m.p. 38-44°C	■			✓	✓	✓	✓	Highly purified medical grade lanolin, with clinically proven safety and efficacy. Long-lasting emollient, moisturiser and skin barrier repair agent. Widely used in creams and ointments for compromised skin and for topical pharmaceuticals. Also used in otic, ophthalmic and vaginal preparations. Recommended topical usage levels of 1-10%, although can be used neat on skin.
Pharmalan™ PhEur	Wool Fat PhEur	Yellow soft mass, m.p. 38-44°C	■			✓			✓	Purified grades of anhydrous lanolin manufactured to GMP standards, suitable for topical pharmaceuticals and baby care. Recommended topical usage levels of 1-10%, although can be used neat on skin.
Pharmalan™ USP	Modified Lanolin NF	Yellow soft mass, m.p. 38-44°C	■				✓		✓	

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Lanolin Fractions and Derivatives

Our lanolin fractions and derivatives include low viscosity acetylated lanolin alcohols, water soluble ethoxylated lanolins, liquid lanolin and lanolin alcohols.

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	Application			Monograph*				Product Description
			Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG	
Acetadepts™ P80	Acetylated Lanolin	Yellow soft solid	■							A superb skin smoothing product that is more lipophilic than lanolin. Forms water repellent films. Excellent superfatting agent.
Aqualose™ L30	PEG 30 Lanolin	Yellow/brown semi-solid wax	■							O/W emulsifier, solubiliser and wetting agent. Water soluble emollient that also provides superfatting and foam stabilising benefits to detergent systems. Reduces erythema and barrier damage caused by surfactants. Recommended topical usage levels of 1-5%.
Argobase™ 125	Proprietary Blend	Clear pale yellow liquid	■							Liquid absorption base, a blend of lanolin-derived sterols in an inert base containing coupling and gelling agents. Emollient and superfatting agent that is stable to mild acids and electrolytes. Primary W/O emulsifier and O/W co-emulsifier.
Argobase™ S1	Proprietary Blend	Yellow waxy solid	■							A concentrated absorption base containing a synergistic blend of lanolin and lanolin alcohols. Provides a high degree of emollience and powerful nonionic W/O emulsifying properties. Ideal for ointments, dry skin applications and barrier creams.
Cholesterol USP/NF	Cholesterol PhEur; Cholesterol NF; Cholesterol JP	White crystalline powder	■			✓	✓	✓	✓	Excellent moisturiser with skin conditioning benefits. Very effective in repairing the skin barrier. Powerful W/O emulsifier and emulsion stabiliser. High purity grade also available.
Crodalan™ LA	Cetyl Acetate (and) Stearyl Acetate (and) Oleyl Acetate (and) Acetylated Lanolin Alcohols	Pale yellow liquid	■							Fine, dry, low viscosity emollient with excellent spreading and skin barrier repair properties. Improves formulation aesthetics, reducing stickiness. Used in baby care products to enhance the barrier action against urine and its decomposition products. Non-emulsifying. Recommended topical usage levels of 0.5-5%.
Liquid Medilan™ Ultra	Liquid Lanolin	Colourless liquid	■							A Super Refined ultra-pure lanolin oil clinically proven to reduce the signs and symptoms of very dry, cracked skin. Offers superior aesthetic properties as an emollient and excipient in creams, lotions and ointments. Recommended topical usage levels of 2-10%, although can be used neat on skin.
Satulan™	Wool Fat, Hydrogenated PhEur	White to off-white solid	■			✓			✓	Hydrogenated lanolin that benefits from very low colour and odour. Excellent emollient with skin conditioning properties. W/O emulsifier.
Solan™ 60	PEG 60 Lanolin	Yellow waxy solid	■							Solans are water soluble polyethoxylated lanolins that act as solubilisers and emollients in topical applications, particularly wet-wipe systems. Used as emollients for teat dips in veterinary applications. Solan 75/50 is supplied as a 50% aqueous solution, produced from pharmaceutical grade lanolin. Solan 75 is supplied in easy-to-handle pastillated form. Recommended topical usage levels of 0.5-10%.
Solan™ 60/50	PEG 60 Lanolin 50%	Clear to slightly hazy viscous liquid	■							
Solan™ 75	PEG 75 Lanolin	Yellow pastilles, m.p. 50-55°C	■						✓	
Solan™ 75/50	PEG 75 Lanolin (and) Aqua	Clear yellow to slightly hazy viscous liquid	■							
Super Hartolan™	Wool Alcohols PhEur; Lanolin Alcohols NF; Lanolin Alcohol JPE	Pale yellow pastilles, m.p. 60°C	■			✓	✓	✓	✓	Hydrophobic vehicle with excellent emollient and moisturising properties for topical emulsions and ointments. Powerful nonionic W/O emulsifier and O/W emulsion stabiliser. Widely used in barrier creams and protective baby creams. Recommended topical usage levels of 0.5-3%.

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Polyethylene Glycols

Renex™ PEGs and Super Refined™ PEGs are polyethylene glycols that differ only in their molecular weights and physical forms. All grades are suitable for oral and topical use while our high purity Super Refined™ products also find use in parenteral applications.

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	Application			Monograph*				Product Description
			Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG	
Renex™ PEG 400	Macrogols PhEur; Polyethylene Glycol NF (Polyethylene Glycol 400)	Colourless to almost colourless liquid	■	■		✓	✓		✓	Renex PEGs are hydrophilic substances that are widely used in a variety of formulations. Liquid PEGs are well suited for water-miscible solvents in soft gelatin capsules whilst high molecular PEGs work in solid dosage forms to offer binding and lubricating functions.
Renex™ PEG 1500	Macrogols PhEur; Polyethylene Glycol NF (Polyethylene Glycol 1500)	White to off-white waxy solid	■	■		✓	✓		✓	
Renex™ PEG 4000	Macrogols PhEur; Polyethylene Glycol NF (Polyethylene Glycol 4000)	White to off-white waxy solid	■	■		✓	✓		✓	
Renex™ PEG 6000	Macrogols PhEur; Polyethylene Glycol NF (Polyethylene Glycol 6000)	White to off-white waxy solid	■	■		✓	✓		✓	
Renex™ PEG 10000	Polyethylene Glycol 10000	White solid flakes	■							
Super Refined™ PEG 300	Macrogols PhEur; Polyethylene Glycol NF (Polyethylene Glycol 300)	Colourless viscous liquid	■	■	■	✓	✓	✓	✓	The Super Refined PEG range is a series of Super Refined polyethylene glycols, offering pharmaceutical formulators highly purified hydrophilic excipients that can enhance active and formulation stability. They can be used widely in pharmaceutical applications as solvents, suspending agents and viscosity modifiers and are suitable for parenteral use.
Super Refined™ PEG 400	Macrogols PhEur; Polyethylene Glycol NF; Macrogol 400 JP (Polyethylene Glycol 400)	Colourless viscous liquid	■	■	■	✓	✓	✓	✓	
Super Refined™ PEG 600	Macrogols PhEur; Polyethylene Glycol NF (Polyethylene Glycol 600)	Colourless viscous liquid	■	■	■	✓	✓	✓	✓	

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Polyethylene Glycol Esters

Polyethylene glycol (PEG) esters are powerful nonionic surfactants that function as oil-in-water emulsifiers and wetting, solubilising and dispersing agents.

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	HLB	Application			Monograph*				Product Description
				Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG	
Myrj™ S8	Macrogol Stearate PhEur (PEG 8 Stearate)	White soft solid	10.8	■	■		✓			✓	<p>The Myrj range are nonionic surface active agents produced by the polyethoxylation of high quality fatty acids. Effective O/W emulsifiers suitable for use in medicated creams and lotions, even in the presence of electrolytes. They are hydrophilic, water soluble surfactants that display inverse aqueous solubility characteristics with increasing temperature. They are also stable in the presence of moderately strong acids, alkalis and electrolytes. Myrj S25/1 is used in emulsification of mild anti-perspirants and deodorants. Myrj S40 is a more versatile emulsifier when used in combination with cetostearyl alcohol, stearic acid, glycerin or sorbitan mono/diesters, giving systems optimum stability, opacity and texture. Myrj S100 is useful as an auxiliary surfactant to optimise HLB requirements.</p> <p>The Myrj range has recommended topical usage levels of 0.5-5% apart from Myrj S25/1, which has recommended topical usage levels of 1-10%.</p>
Myrj™ S25/1	PEG 25 Propylene Glycol Stearate	Semi-solid cream	16.0	■							
Myrj™ S40	Macrogol Stearate PhEur; Polyoxyl Stearate NF (PEG 40 Stearate)	Multiple forms available: wax solid, wax flakes, wax pastilles, waxy powder	16.7	■	■		✓	✓		✓	
Myrj™ S100	Macrogol Stearate PhEur (PEG 100 Stearate)	Multiple forms available: hard wax, wax flakes, wax pastilles	18.8	■			✓			✓	

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Polyethylene and Polypropylene Glycol Ethers

The Brij™ range of PEG ethers possesses similar properties to the PEG esters but offers greater hydrolytic stability, enabling use in extremes of pH.

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	HLB	Application			Monograph*				Product Description	
				Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG		
Arlamol™ PS15E	PPG 11 Stearyl Ether	Colourless to slightly yellow liquid	10.0	■			Pending				✓	Arlamol PS15E is an exceptional emollient ingredient that brings a velvety skin feel as well as skin moisturisation and skin elasticity. It offers excellent solvency properties and can be used as a coupling agent. Recommended topical usage levels of 30%.
Brij™ CS12	Macrogol Cetostearyl Ether PhEur (PEG 12 Cetostearyl Ether)	White waxy solid	13.4	■			✓					Nonionic O/W emulsifiers for medicated creams and lotions. Recommended topical usage levels of 0.5-5%.
Brij™ CS20	Macrogol Cetostearyl Ether PhEur (PEG 20 Cetostearyl Ether)	White waxy solid	15.7	■			✓					
Brij™ CS25	Macrogol Cetostearyl Ether PhEur; Polyoxyl 20 Cetostearyl Ether NF (PEG 25 Cetostearyl Ether)	White waxy solid	16.2	■			✓	✓				
Brij™ L4	Macrogol Lauryl Ether PhEur (PEG 4 Lauryl Ether)	Colourless liquid	9.7	■			✓				✓	Solubiliser and dispersant, suitable for use in bath and shower products, anti-acne and pain relief gels and creams. Recommended topical usage levels of 0.5-15%.
Brij™ L9	Macrogol Lauryl Ether PhEur; Polyoxyl Lauryl Ether NF (PEG 9 Lauryl Ether)	Liquid/paste	13.3	■			✓	✓				A functional anti-irritant ingredient for use in skin soothing and local anaesthetic medicated creams. Also known as polidocanol. Recommended topical usage levels of 1-3% (leave-on products) and 1-4% (rinse-off products).
Brij™ L23	Macrogol Lauryl Ether PhEur; Polyoxyl Lauryl Ether NF (PEG 23 Lauryl Ether)	Multiple forms available: solid, liquid	16.9	■			✓	✓			✓	High HLB nonionic surfactant used to produce O/W emulsions. Proven as a spreading, wetting, solubilising, cleansing and foaming agent. Recommended topical usage levels of 0.5-5%.
Brij™ LT3	C12-13 Pareth-3	Clear, essentially colourless liquid	8.0	■			Pending					Spreading and wetting agents. Detergent system viscosity modifiers. Brij LT3 and Brij LT4 are particularly recommended for use in surface spreading or dispersible medicinal bath oils due to their more lipophilic nature. Brij LT23 is a high HLB nonionic surfactant used to produce O/W emulsions and is proven as a solubilising agent. Recommended topical usage levels of 0.5-15%.
Brij™ LT4	C12-13 Pareth-4	Clear, essentially colourless liquid	9.5	■			Pending					
Brij™ LT23	C12-13 Pareth-23	White waxy solid	16.7	■								
Brij™ O5	Macrogol Oleyl Ether PhEur (PEG 5 Oleyl Ether)	White/pale yellow liquid to semi-solid	9.0	■			✓				✓	Primary O/W emulsifiers, particularly suited to emulsifying unsaturated fatty acids. Suitable for the formulation of microemulsion gels as primary emulsifiers or as co-emulsifiers paired with the Crodafos phosphate esters. Solubilising, dispersing, spreading, wetting and gelling agents. When used as a co-emulsifier, Brij O5 tends to lower the temperature at which the system gels, resulting in clear gels with a more manageable set point. Brij O10 aids in the production of clear gels. Brij O20 has been found to be an extremely effective solubiliser for lipophilic vitamins and oil soluble actives. It is effective at remarkably low inclusion ratios of between 2:1 and 5:1, depending on the oil. Recommended topical usage levels of 0.5-10%.
Brij™ O10	Macrogol Oleyl Ether PhEur; Polyoxyl 10 Oleyl Ether NF (PEG 10 Oleyl Ether)	White turbid liquid to soft paste	12.4	■			✓	✓			✓	
Brij™ O20	Macrogol Oleyl Ether PhEur (PEG 20 Oleyl Ether)	White semi-solid	15.5	■			✓				✓	

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Polyethylene and Polypropylene Glycol Ethers

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	HLB	Application			Monograph*				Product Description
				Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG	
Brij™ S2	Macrogol Stearyl Ether PhEur; Polyoxyl Stearyl Ether NF (PEG 2 Stearyl Ether)	Multiple forms available: white waxy solid, semi-solid, pastilles	4.9	■			✓	✓		✓	Designed to emulsify and produce stable dispersions for topical applications. Due to their differing HLB values, Brij S2 and Brij S721 work well in combination with each other and also with Arlamol PS15E and cetostearyl alcohols to produce stable O/W emulsions by forming liquid crystalline oleosomes. Brij S2 also exhibits tolerance to extreme levels of pH and high levels of electrolytes. Recommended topical usage levels of 0.5-5%.
Brij™ S721	PEG 21 Stearyl Ether	Multiple forms available: white waxy solid, powder, pastilles	15.5	■						✓	Designed to emulsify and produce stable dispersions for topical applications. Due to their differing HLB values, Brij S2 and Brij S721 work well in combination with each other and also with Arlamol PS15E and cetostearyl alcohols to produce stable O/W emulsions by forming liquid crystalline oleosomes. Brij S721 also exhibits tolerance to extreme levels of pH and high levels of electrolytes. Many examples of use in medicated skin care preparations. Recommended topical usage levels of 0.5-5%.
Brij™ S10	Macrogol Stearyl Ether PhEur (PEG 10 Stearyl Ether)	White waxy solid	12.4	■			✓				O/W emulsifier and co-emulsifier with wetting and dispersant properties. Recommended topical usage levels of 0.5-5%.
Brij™ S20	Macrogol Stearyl Ether PhEur; Polyoxyl Stearyl Ether NF (PEG 20 Stearyl Ether)	White waxy solid	15.3	■			✓	✓		✓	General purpose nonionic O/W emulsifier recommended for use within a wide range of medicated creams and lotions. Bodying, wetting and dispersing agent. Stable to moderately strong acid and alkaline conditions. Recommended topical usage levels of 0.5-5%.
Cetomacrogol 1000	Macrogol Cetostearyl Ether PhEur; Polyoxyl 20 Cetostearyl Ether NF (PEG 20 Cetostearyl Ether)	White/cream waxy pastilles, m.p. 38°C min	15.7	■			✓	✓		✓	O/W emulsifier for creams and lotions. Solubiliser of essential oils, vitamin oils and drugs of low water solubility. Stable to moderately strong acid and alkaline conditions. Recommended topical usage levels of 0.5-5%.

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Sorbitan Esters

Sorbitan esters are widely used as water-in-oil emulsifiers in topical applications and when used in combination with ethoxylated sorbitan esters (the Tween™ range), they contribute to the overall stability of oil-in-water emulsions. Manipulation of the Span™/Tween™ ratio produces emulsifying systems of various HLB values, allowing the emulsification of a wide range of oils and waxes.

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	HLB	Application			Monograph*				Product Description
				Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG	
Span™ 20	Sorbitan Laurate PhEur; Sorbitan Laurate NF	Pale yellow liquid	8.6	■	■		✓	✓		✓	Co-emulsifier in O/W emulsions, often used in combination with Tween 20. Used in inhalers, ophthalmic, oral, topical and vaginal preparations. Soluble in many fatty compositions and solvents. Dispersible in water, dilute acids and alkalis. Recommended topical usage levels of 0.5-5%.
Span™ 40	Sorbitan Palmitate PhEur; Sorbitan Palmitate NF	Off-white solid	6.7	■			✓	✓		✓	Highly effective at forming O/W emulsions, particularly when used in combination with Tween 40. Possesses a wax-like structure, useful when rigidity is required in formulations. Recommended topical usage levels of 0.5-5%.
Span™ 60	Sorbitan Stearate PhEur; Sorbitan Stearate NF	Multiple forms available: solid, pastilles, powder	4.7	■	■		✓	✓		✓	Produces stable O/W emulsions with good aesthetics when combined with Tween 60. Low odour, pale colour and mild to the skin. Recommended for the emulsification of fatty alcohols, esters, mineral and silicone oils. Recommended topical usage levels of 0.5-5%.
Span™ 80	Sorbitan Oleate PhEur; Sorbitan Monooleate NF	Amber liquid	4.3	■	■		✓	✓		✓	Liquid W/O emulsifier and O/W emulsion stabiliser, particularly recommended for unsaturated lipid components such as oleyl alcohol or vegetable oils. Extensively used as a wetting agent and dispersant for materials such as zinc oxide, calamine and penicillin in lipophilic pharmaceutical bases. Recommended topical usage levels of 0.5-5%.
Span™ 80 HP	Sorbitan Oleate PhEur; Sorbitan Monooleate NF	Amber liquid	4.3	■	■		✓	✓		✓	A high purity version of Span 80 tested against both PhEur and USP monographs. This HP grade offers lower moisture levels as well as lower peroxide and acid values. Recommended topical usage levels of 0.5-5%.
Span™ 83	Sorbitan Sesquioleate PhEur; Sorbitan Sesquioleate NF	Amber viscous liquid	3.7	■			✓	✓		✓	Liquid W/O emulsifier for protective baby care and emollient creams. O/W emulsion stabiliser. Recommended topical usage levels of 0.5-5%.
Span™ 85	Sorbitan Trioleate PhEur; Sorbitan Trioleate NF	Amber liquid	1.8	■	■		✓	✓		✓	Liquid W/O emulsifier and O/W emulsion stabiliser. Widely used in nasal and metered dose inhalation dosage forms. Finds particular application as a dispersing agent in aerosols. Recommended topical usage levels of 0.5-5%.
Span™ 120	Sorbitan Isostearate	Yellow liquid	4.7	■							Excellent W/O emulsifier for protective baby care and emollient creams. Good oxidative stability. Recommended topical usage levels of 0.5-5%.

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Ethoxylated Sorbitan Esters

Ethoxylated sorbitan esters (or polysorbates) are excellent oil-in-water emulsifiers, solubilisers, wetting agents and dispersants. They are commonly used in combination with the sorbitan ester (Span™) equivalent, and manipulation of the Span™/Tween™ ratio produces emulsifying systems of various HLB values, allowing the emulsification of a wide range of oils and waxes.

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	HLB	Application			Monograph*				Product Description
				Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG	
Super Refined™ Polysorbate 20	Polysorbate 20 PhEur; Polysorbate 20 NF; Polysorbate 20 JPE	Clear, essentially colourless liquid	16.7	■	■	■	✓	✓	✓	✓	Super Refining removes polar impurities, preventing adverse interactions with APIs and enhancing the stability of pharmaceutical formulations. Super Refined Polysorbates offer the complete solution when formulating parenteral, oral, ophthalmic and topical pharmaceutical products. Super Refined Polysorbate 20 ensures effective delivery of actives by minimising drug interaction with the excipient. Super Refined Polysorbate 60 is an extremely mild and effective O/W emulsifier and solubiliser. Super Refined Polysorbate 80 is recommended when the highest quality is required and especially when formulating with highly sensitive and unstable APIs. Due to its very low colour, it provides an analytical clarity advantage compared to other grades of Polysorbate 80. Recommended topical usage levels for all Super Refined Polysorbates are 0.5-5%.
Super Refined™ Polysorbate 60	Polysorbate 60 PhEur; Polysorbate 60 NF; Polysorbate 60 JPE	Semi-solid	14.9	■	■		✓	✓	✓	✓	
Super Refined™ Polysorbate 80	Polysorbate 80 PhEur; Polysorbate 80 NF; Polysorbate 80 JP	Clear, essentially colourless liquid	15.0	■	■	■	✓	✓	✓	✓	
Tween™ 20 HP	Polysorbate 20 PhEur; Polysorbate 20 NF; Polysorbate 20 JPE	Clear yellow liquid	16.7	■	■	■	✓	✓	✓	✓	Low moisture, low peroxide, high performance grade designed for parenteral use. O/W emulsifier, solubiliser and wetting agent. Recommended topical usage levels of 0.5-5%.
Tween™ 60 HP	Polysorbate 60 PhEur; Polysorbate 60 NF	Yellow liquid/soft solid	14.9	■	■		✓	✓		✓	O/W emulsifier, often used in combination with Span 60. This grade exceeds standards set in compendial monographs to provide higher levels of purity. Recommended topical usage levels of 0.5-5%.
Tween™ 80 HP	Polysorbate 80 PhEur; Polysorbate 80 NF; Polysorbate 80 JP	Clear yellow liquid	15.0	■	■	■	✓	✓	✓	✓	Low moisture, low peroxide, high performance grade designed for parenteral use. O/W emulsifier, solubiliser and wetting agent. This grade exceeds standards set in compendial monographs to provide higher levels of purity. Recommended topical usage levels of 0.5-5%. Additional high purity grades are available as follows; high purity grade with a higher moisture content than the standard grade; high purity kosher certified grade made from tapioca sourced sorbitol.
Tween™ 20	Polysorbate 20 PhEur; Polysorbate 20 NF	Clear yellow liquid	16.7	■	■		✓	✓		✓	O/W emulsifier, solubiliser and wetting agent. Water soluble emollient and barrier repair agent in cleansing products. Solubilising agent for oil soluble vitamins, essential oils and flavours in mouthwashes. Effective wetting agent and dispersant for actives such as calamine, menthol and phenol. Recommended topical usage levels of 0.5-5%.
Tween™ 40	Polysorbate 40 PhEur; Polysorbate 40 NF	Yellow pasty liquid	15.6	■	■		✓	✓			O/W emulsifier, co-solvent and wetting agent. Recommended topical usage levels of 0.5-5%.
Tween™ 60	Polysorbate 60 PhEur; Polysorbate 60 NF	Yellow liquid/soft solid	14.9	■	■		✓	✓		✓	O/W emulsifier, often used in combination with Span 60. Recommended topical usage levels of 0.5-5%.
Tween™ 80	Polysorbate 80 PhEur; Polysorbate 80 NF	Clear yellow liquid	15.0	■	■		✓	✓		✓	Low moisture, low peroxide, O/W emulsifier, solubiliser and wetting agent. Recommended topical usage levels of 0.5-5%.

*When ordering a product, please specify which of the indicated monograph(s) are required, as for many products we offer multiple grades to suit your compliancy requirements

Polyol Esters

Properties of the Cithrol™ and Crodesta™ ranges include emulsification, emulsion stabilisation and adjuvant activity. The Crothix™ products are high performance thickeners for use in aqueous detergent systems.

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	HLB	Application			Monograph*				Product Description	
				Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG		
Arlacel™ 165	Glyceryl Stearate (and) PEG 100 Stearate	Cream solid beads	11.0	■								Acid-stable blend of glyceryl stearate and nonionic PEG ester. O/W emulsifier that confers maximum emulsion stability, particularly useful over a wide pH range. Recommended topical usage levels of 1-15%.
Arlacel™ 983	Stearoyl Macroglycerides PhEur (Glyceryl Stearate (and) PEG 30 Stearate)	Off-white powder	8.7	■			✓					Also known as Glyceryl Stearate (and) PEG 30 Stearate, Arlacel 983 is a multi-purpose O/W emulsifier for non-polar oils.
Arlatone™ TV	Macrogol 40 Sorbitol Heptaoleate PhEur (PEG 40 Sorbitan Peroleate)	Yellow liquid	9.0	■			✓					W/O co-emulsifier widely used in topical health care applications. Exceptionally efficient spreading agent.
Cithrol™ 4DL	PEG 8 Dilaurate	Pale yellow liquid to white solid	10.2	■								Widely used as an O/W emulsifier, skin conditioning emollient and dispersant in topical applications such as creams, lotions and medicinal bath oils. Recommended topical usage levels of 1-10%.
Cithrol™ DPHS	PEG 30 Dipolyhydroxystearate PhEur	Red-brown waxy solid, m.p. 32-40°C	5.5	■			✓					A versatile emulsifier for W/O lotions and creams. It has a unique ability to produce very stable, fluid, low viscosity emulsions which spread easily on the skin and give a light skin feel, uncommon for W/O emulsions. Cithrol DPHS also demonstrates excellent compatibility with a wide number of oils, electrolytes, alcohols and polyols. Recommended topical usage levels of 1-2%.
Cithrol™ GMO HP	Glycerol Mono-oleates PhEur	Off-white solid	3.0	■	■		✓					High purity oleic acid grade with a GMO content of 92% minimum. Offers controlled drug release and enhances active bioavailability. Membrane penetration enhancer. W/O emulsifier and O/W emulsion stabiliser.
Cithrol™ GMS 40	Glycerol Monostearate 40-55 PhEur	Off-white solid, m.p. 56-60°C	3.4	■	■		✓			✓		Nonionic emulsifier, W/O and O/W emulsion stabiliser, dispersant and emollient used in oral and topical pharmaceutical preparations as well as food applications. Used to form sustained release matrices for solid dosage forms. Recommended topical usage levels of 1-10%.
Cithrol™ MMO	Mannide Monooleate	Amber oily liquid	4.3	■								Acts as an adjuvant in veterinary applications by heightening antibody response. Enables formation of W/O emulsions and impedes separation of oil and aqueous phases.
Cithrol™ PG32IS	Triglycerol Diisostearate PhEur; Polyglyceryl-3 Diisostearate NF	Pale yellow liquid	5.5	■			✓	✓				Low odour, mild emulsifier ideal for use in W/O emulsions such as nappy creams and zinc oxide creams. It also has some emollient properties (heavy feel and low spreading), helping to prevent wash-off.
Cithrol™ PG3PR	Polyglyceryl-3 Polyricinoleate	Amber liquid	9.0	■								W/O emulsifier and co-emulsifier for O/W systems. Suitable for use in medicated skin creams and lotions. Recommended topical usage levels of 0.5-5%.
Cithrol™ S20BW	Polyoxyethylene (20) Sorbitol Beeswax Derivative	Tan, waxy solid	5.0	■								A self-emulsifying beeswax. For use in medicated eye and skin care. Also used successfully in cooling gels to relieve muscular aches and pains.

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Polyol Esters

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	HLB	Application			Monograph*				Product Description
				Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG	
Crodasol™ HS HP	Macrogol 15 Hydroxystearate PhEur (PEG 660 12-Hydroxystearate); Polyoxyl 15 Hydroxystearate NF	White to pale yellow waxy solid	15.0	■	■	■	✓	✓			This unique surfactant forms spherical micelles even at highly concentrated levels, resulting in a linear relationship with its increasing concentration and its solubilising capacity for a number of different APIs. It is ideally used in parenteral and oral dosage forms as well as suppository systems.
Crothix™	PEG 150 Pentaerythrityl Tetrastearate	White waxy solid	-	■							Very effective viscosity modifier for aqueous surfactant systems. Excellent counter-irritant, producing mild surfactant formulations. Recommended topical usage levels of 0.25-5%.
Crothix™ Liquid	PEG 150 Pentaerythrityl Tetrastearate (and) PEG 6 Caprylic/Capric Glycerides (and) Aqua	Clear to hazy liquid	-	■							High performance thickener for aqueous surfactant systems. Effective DEA and MEA replacement and mitigates surfactant irritation potential. Recommended topical usage levels of 0.5-5%.

Proteins and Protein Derivatives

Our speciality proteins find application in medicinal foods, dietary supplements and topical and oral pharmaceuticals.

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	Application			Monograph*				Product Description
			Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG	
Byco™ A	Gelatin PhEur; Gelatin NF Mw 11000-14000 Da†	Off-white spray dried powder		■		✓	✓			Bycos are produced by enzymatically hydrolysing pharmaceutical grade gelatin under carefully controlled conditions. They are protective colloids, film formers, emulsion stabilisers and binders. These grades are used as granulation and tableting aids and in the microencapsulation of heat sensitive actives e.g. oil soluble vitamins. Byco A, C and O are available from bovine or porcine sources and differ in viscosity and gel forming properties. Byco M is a marine source of collagen available in a range of molecular weights and viscosities.
Byco™ C	Gelatin PhEur Mw 19000-30000 Da†	Off-white spray dried powder		■		✓				
Byco™ M	Gelatin PhEur; Gelatin NF Mw 8000-30000 Da†	Off-white spray dried powder		■		✓	✓			
Byco™ O	Gelatin PhEur Mw 8000-11000 Da†	Off-white spray dried powder	■	■		✓				
Croquat™ L	Lauryldimonium Hydroxypropyl Hydrolysed Collagen Protein	Clear yellow viscous liquid (40% solution)	■							
Hydrotriticum™ QL	Lauryldimonium Hydroxypropyl Hydrolysed Wheat Protein	Clear light amber liquid (30% solution)	■							Plant-derived cationic hair conditioning agent with surfactant and secondary anti-microbial properties. Recommended for use in medicated hair care products. Recommended topical usage levels of 0.5-5%.
Procol™ B5	Gelatin (Hydrolysed, Bovine) Mw 2500-4000 Da†	Off-white spray dried powder		■						Procols are a range of hydrolysed type-1 collagen products providing a rich and readily-assimilated source of protein for nutritional applications. As cold-water soluble powders Procols offer an unusual range of functional properties that are particularly suitable for convenience health food products, such as protein bars and sports drinks. We offer a selection of proteins from bovine (Procol B5), marine (Procol M5) and porcine (Procol P5) sources.
Procol™ M5	Gelatin (Hydrolysed, Marine) Mw 2500-4000 Da†	Off-white spray dried powder		■						

†Mw: weight average molecular weights determined by size exclusion high performance liquid chromatography

*When ordering a product, please specify which of the indicated monograph(s) are required, as for many products we offer multiple grades to suit your compliancy requirements

Pharmaceutical Bases

Our pharmaceutical bases include the Estaram™ and Supoweiss™ ranges of hard fat suppository bases as well as the excipient Crodabase™ SQ, a superior alternative to petrolatum.

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	Application			Monograph*				Product Description
			Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG	
Crodabase™ SQ	Petrolatum-Polyethylene Blend	Smooth, oily, translucent gel	■							Crodabase SQ enables dermatological and pharmaceutical formulators to create high quality end products that are easy to apply and deliver a smooth, soft skin feel. Crodabase SQ is ideal for use in cold processing, where it provides a superior alternative to petrolatum. Recommended topical usage levels of up to 100%.
Estaram™ 299	Hard Fat PhEur; Hard Fat NF	Solid, m.p. 33.5-35.5°C	■			✓	✓		✓	Hard fat suppository base with a low hydroxyl value (max. 2 mg KOH/g). Saponification value of 240-255 mg KOH/g. Used in the delivery of drugs that are sensitive to hydrolysis.
Estaram™ H15	Hard Fat PhEur; Hard Fat NF	Solid, m.p. 33.5-35.5°C	■			✓	✓		✓	Hard fat suppository base with a low content of mono- and diglycerides. Hydroxyl value of 5-15 mg KOH/g, saponification value of 230-240 mg KOH/g.
Estaram™ W35	Hard Fat PhEur; Hard Fat NF	Solid, m.p. 33.5-35.5°C	■			✓	✓		✓	Hard fat suppository base with a high mono- and diglyceride content. High elasticity and polarity. Hydroxyl value of 40-50 mg KOH/g, saponification value of 230-240 mg KOH/g.
Supoweiss™ S2	Hard Fat PhEur; Hard Fat NF	Solid, m.p. 34.0-36.0°C	■			✓	✓		✓	Semi-synthetic glycerides excipient. High plasticity. Hydroxyl value of 15-25 mg KOH/g, saponification value of 235-245 mg KOH/g.

Humectants

Croda is a leading producer and supplier of glycerin, operating to the highest quality and regulatory standards.

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	Application			Monograph*				Product Description
			Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG	
Pricerine™ 9093	Glycerol PhEur	Clear, colourless liquid	■	■		✓			✓	Pricerine 9093 is a high purity pharmaceutical grade of glycerin (>99.5%) produced from a vegetable origin. High purity glycerin is suitable across many pharmaceutical formulations including dental care, skin care and as a plasticiser of gelatin in the production of soft capsules. Recommended topical usage levels of 0.5-20%.

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Poloxamers

The Synperonic™ PE series are a group of nonionic, tri-block copolymer surfactants composed of polyethylene oxide and polypropylene oxide. The products in the range differ only in molecular weight, hydrophobic/hydrophilic character and physical form.

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	Application			Monograph*				Product Description
			Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG	
Synperonic™ PE/F 68	Poloxamers PhEur; Poloxamer NF (Poloxamer 188)	Flakes	■	■	■	✓	✓		✓	Synperonic PE/F 68 finds use in toothpaste and mouthwash applications due to its foaming properties. Effective solubiliser. Suited to O/W emulsification.
Synperonic™ PE/F 87	Poloxamers PhEur; Poloxamer NF (Poloxamer 237)	Flakes	■			✓	✓		✓	Very mild on eyes and reduces irritation and infection; suited to ophthalmic applications e.g. contact lens solutions and eye drops. High molecular weight and high polyethylene oxide content mean PE/F 87 is suitable for O/W emulsification, is a good solubiliser and also a good gelling agent. It forms thermo-reversible gels that liquefy upon cooling and reform upon rearming.
Synperonic™ PE/F 108	Poloxamer 338	Flakes	■	■					✓	Synperonic PE/F 108 is particularly desirable in toothpaste and mouthwash applications due to its foaming properties. High molecular weight and high polyethylene oxide content mean PE/F 108 is suitable for O/W emulsification and is also a good solubiliser and gelling agent. It forms thermo-reversible gels that liquefy upon cooling and reform upon rearming.
Synperonic™ PE/F 127	Poloxamers PhEur; Poloxamer NF (Poloxamer 407)	Flakes	■	■		✓	✓		✓	High molecular weight and high polyethylene oxide content mean PE/F 127 is suitable for O/W emulsification, is a good solubiliser and is also the best gelling agent in the series. A key benefit is its ability to form thermo-reversible gels that liquefy upon cooling and reform upon rearming. This property is particularly useful in drug delivery systems as it increases the contact of the active ingredient at the target site. Drug release rates can be varied by altering the concentration, temperature and pH. Synperonic PE/F 127 is used in toothpaste for sensitive teeth as a gelling agent as it lacks any bitter taste. It is also useful in contact lens solutions and eye drops as it is very mild and reduces irritation and infection.
Synperonic™ PE/L 31	Poloxamer 101	Liquid	■							Synperonic PE/L 31 has a low polyethylene oxide content, making it suitable for use as a W/O emulsifier.
Synperonic™ PE/L 44	Poloxamer 124	Liquid	■	■					✓	Effective cleansing and dispersing agent with O/W emulsification properties.
Synperonic™ PE/L 61	Poloxamer 181	Liquid	■						✓	Synperonic PE/L 61 is an excellent defoamer and effective W/O emulsifier.
Synperonic™ PE/L 62	Poloxamer 182	Liquid	■						✓	Wetting, dispersing and cleansing agent with solubilising properties.
Synperonic™ PE/L 64	Poloxamer 184	Liquid	■							O/W emulsifier, dispersant, cleansing and wetting agent.
Synperonic™ PE/L 101	Poloxamer 331	Liquid	■	■					✓	Synperonic PE/L 101 functions as a wetting agent and effective defoamer due to its high molecular weight and low polyethylene oxide content. Suitable for use as a W/O emulsifier.

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Amphoteric Surfactants

This mild amphoteric surfactant is commonly used in a wide range of cleansing systems.

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	Application			Monograph*				Product Description
			Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG	
Crodateric™ CAB 30	Cocamidopropyl Betaine	Clear pale yellow liquid	■						✓	Mild amphoteric surfactant with gentle cleansing properties. Foam booster/stabiliser. Finds application in gentle facial, hand and body washes, shampoos and foam baths. Recommended topical usage levels of 2-20%.

Anionic Surfactants

These mild anionic surfactants are the salts of acyl sarcosine and methyl acyl taurine. They are excellent detergents, wetting and foaming agents.

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	Application			Monograph*				Product Description
			Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG	
Adinol™ CT95	Sodium Methyl Cocoyl Taurate	White powder (95% active)	■	■						Adinol CT95 is indicated for oral use in dental products only. It is an excellent detergent, wetting and foaming agent and dispersant. Chemically stable in the presence of acids, alkalis and metal ions such as strontium, making it suitable for gum sensitive toothpastes. Also used in mouthwash and other oral hygiene preparations. Recommended topical usage levels of 1-10%.
Crodasinic™ LS30	Sodium Lauroyl Sarcosinate	Colourless liquid (30% active)	■	■					✓	The Crodasinic are indicated for oral use in dental products only. They are powerful anionic surfactants, wetting and foaming agents with proven mildness. They inhibit the enzyme hexokinase, which is associated with tooth decay and mouth odours. Used in toothpaste, mouthwash and other oral hygiene preparations, nasal and throat sprays, suppositories, surgical scrubs, antibacterial handwashes and antidandruff shampoos. Compatible with many of the cationics and germicides commonly used in medicated hygiene products, exhibiting optimum detergency and foaming at the functional pH range of these actives. Crodasinic LS30 is a 30% active solution in water. Crodasinic LS95 is a 95% active powder. Recommended topical usage levels of 5-20% (LS30) and 1-10% (LS95).
Crodasinic™ LS95	Sodium Lauroyl Sarcosinate	White powder (95% active)	■	■		Pending			✓	

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Cationic Surfactants

The Incroquats™ are mild quaternary skin conditioning agents and cationic surfactants.

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	Application			Monograph*				Product Description
			Topical	Oral	Parenteral	PhEur	USP/NF	JP/JPE	FDA IIG	
Incroquat™ QLC	Quaternium-92 (and) Dipropylene Glycol	Clear amber liquid	■							A mild quaternised lipid conditioner developed specifically for skin care. Offers a high degree of substantivity and excellent conditioning benefits for wash-off detergent systems. Very mild and suitable for body and hand cream and lotions. Recommended topical usage levels of 1-5%.
Incroquat™ Behenyl TMS-50	Behentrimonium Methosulfate (and) Cetyl Alcohol (and) Butylene Glycol	White solid	■							Incroquat Behenyl TMS-50 is a superior cationic emulsifier for skin care. It has been proven not to cause skin irritation, enabling the formulator to design a cationic emulsion for improved moisturisation and skin feel without any of the irritation potential sometimes associated with cationic systems. Recommended topical usage levels of 1-10%.

Food Additives

We offer a variety of food additive emulsifiers that can be added to food to preserve flavour or improve taste and appearance. Manipulation of the Crillet™/Crillet™ ratio produces emulsifying systems of various HLB values, allowing the emulsification of a wide range of food ingredients. All of our food additive products are kosher certified, Halal certified and manufactured on a Food Registered site.

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	HLB	E Number	Application			Product Description
					Topical	Oral	Parenteral	
Crillet™ 1	Polysorbate 20	Clear yellow liquid	16.7	E432		■		Our range of ethoxylated sorbitan esters for food applications are known under the Crillet tradename. Crillet 3 is effective in the preparation of cakes and cake mixes, pastry, margarine, salad cream and shortenings, due to its ability to control crystallisation and improve product stability, creaming and emulsification. Crillet 4 enables oil-based vitamins and flavours to solubilise completely in water.
Crillet™ 3	Polysorbate 60	Yellow soft solid	14.9	E435		■		
Crillet™ 35	Polysorbate 65	Yellow waxy solid		E436		■		
Crillet™ 4	Polysorbate 80	Clear amber liquid	15.0	E433		■		
Crill™ 1	Sorbitan Laurate	Yellow liquid	8.6	E493		■		The Crill tradename covers sorbitan esters for use in food applications. Crill 3 is widely used as a food additive, finding application in coffee whiteners, icings, toppings, margarines and pastries. Properties of Crill 3 include improving emulsion stability, enhancing mouth feel and reducing whipping time. Crill 3 also promotes surface drying to facilitate packaging or closewrapping. Crill 36 E and Crill 41 are widely used in chocolate and confectionary coatings, where they prevent fat bloom by controlling the crystallisation of the fats and cocoa butter. Crill 4 is useful in synthetic creams and whipped desserts, where it improves emulsion stability, increases over-run, reduces fallback and seepage and improves mouth feel, product quality and freeze/thaw stability.
Crill™ 3	Sorbitan Stearate	Yellow solid	4.7	E491		■		
Crill™ 36 E	Sorbitan Tristearate	Yellow solid	2.5	E492		■		
Crill™ 4	Sorbitan Oleate	Yellow liquid	4.3	E494		■		
Crill™ 41	Sorbitan Tristearate	Yellow solid	2.1	E492		■		

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Omega 3 Concentrates

The Incromega™ lipids are a range of highly purified omega 3 concentrates that offer potent solutions with recognised health benefits. Our concentrates provide high levels of EPA, DPA and DHA, enabling our customers to target specific consumer needs. The marine Incromega™ range is produced using PureMax™, our advanced purification and concentration technology. The product listing below is stated in area %, but mg/g specifications are available on request.



Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	EPA	DHA	Omega 3	Monograph*					Product Description
						PhEur	USP/NF	JP/JPE	GOED	FDA IIG	
Incromega™ E460180	Omega-3-Acid Ethyl Esters 60	Clear pale yellow liquid	50% min 460 mg/g max	20% min 180 mg/g min	75% min 710 mg/g min				✓		EPA plays an important role in controlling the inflammatory and immune systems. Nutritional supplementation with EPA promotes benefits for: <ul style="list-style-type: none"> ■ Mood health ■ Joint health ■ Heart health ■ Inflammatory and autoimmune conditions
Incromega™ E5020	Omega-3-Acid Ethyl Esters 60 PhEur	Clear pale yellow liquid	50% min 400 mg/g min	20% min 180 mg/g min	70% min 600 mg/g min	✓			✓		
Incromega™ E530200	Omega-3-Acid Ethyl Esters 60 PhEur	Clear pale yellow liquid	57% min 530 mg/g min	22.5% min 200 mg/g min	92% min 860 mg/g min	✓			✓		
Incromega™ E7010	Omega-3-Acid Ethyl Esters 60 PhEur	Clear pale yellow liquid	70% min 650 mg/g min	13% max 125 mg/g max	90% min 850 mg/g min	✓			✓		
Incromega™ EPA 500TG	Omega-3-Acid Triglycerides PhEur	Clear pale yellow liquid	55% min 500 mg/g min	20% max 180 mg/g max	75% min 650 mg/g min	✓			✓		
Incromega™ TG6015	Omega-3-Acid Triglycerides PhEur	Clear pale yellow liquid	58% min 530 mg/g min	10% min 90 mg/g min	80% min 760 mg/g min	✓			✓		
Incromega™ DHA 500TG	Omega-3-Acid Triglycerides PhEur	Clear pale yellow liquid	15% max 110 mg/g max	55% min 500 mg/g min	70% min 600 mg/g min	✓			✓	DHA is a structural fatty acid known to be an essential lipid component in eye, brain and nervous tissues. Target specific consumer needs with our DHA concentrates for: <ul style="list-style-type: none"> ■ Cognitive function in the elderly ■ Improved concentration in children ■ Eye health ■ Maternal supplementation for infant development 	
Incromega™ E1050	Omega-3-Acid Ethyl Esters NF	Clear pale yellow liquid	10% min 100 mg/g max	50% min 460 mg/g min	70% min 630 mg/g min		✓		✓		
Incromega™ E1070	Omega-3-Acid Ethyl Esters 60 PhEur	Clear pale yellow liquid	15% max 120 mg/g max	70% min 700 mg/g min	87.5% min 820 mg/g min	✓			✓		
Incromega™ TG0525	Refined Tuna Oil	Clear pale yellow liquid	5.5% min 50 mg/g min	25% min 220 mg/g min	35% min 300 mg/g min						
Incromega™ TG1050	Omega-3-Acid Triglycerides NF	Clear pale yellow liquid	10% min 100 mg/g min	50% min 460 mg/g min	70% min 630 mg/g min		✓		✓		
Incromega™ E3322	Omega-3-Acid Ethyl Esters 60 PhEur	Clear pale yellow liquid	33% min 280 mg/g min	22% min 190 mg/g min	65% min 570 mg/g min	✓			✓	Containing a minimum of 60% omega 3 fatty acids, the first true concentrates for health and wellbeing.	
Incromega™ E3525	Omega-3-Acid Ethyl Esters 60 PhEur	Clear pale yellow liquid	35% min 320 mg/g min	25% min 220 mg/g min	65% min 640 mg/g min	✓			✓		
Incromega™ E3826	Omega-3-Acid Ethyl Esters 60 PhEur	Clear pale yellow liquid	38% min 342 mg/g min	26% min 228 mg/g min	70% min 640 mg/g min	✓			✓		
Incromega™ E4030	Omega-3-Acid Ethyl Esters 60 PhEur	Clear pale yellow liquid	40% min 360 mg/g min	28% min 240 mg/g min	80% min 680 mg/g	✓			✓		
Incromega™ TG3322	Omega-3-Acid Triglycerides PhEur	Clear pale yellow liquid	33% min 270 mg/g min	22% min 180 mg/g min	65% min 600 mg/g min	✓			✓		
Incromega™ TG3322 SR	Omega-3-Acid Triglycerides PhEur	Clear pale yellow liquid	33% min 270 mg/g min	22% min 180 mg/g min	60% min 600 mg/g min	✓			✓		
Incromega™ TG4030	Omega-3-Acid Triglycerides PhEur	Clear pale yellow liquid	44% min 360 mg/g min	28% min 240 mg/g min	85% min 710 mg/g min	✓			✓		

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	EPA	DHA	Omega 3	Product Description
Incromega™ 3mulsion DHA	Omega 3 Emulsion	Yellow emulsion	50mg/ 5g portion	200mg/ 5g portion	280mg/ 5g portion	Incromega™ 3mulsion DHA is a lemon flavoured omega 3 emulsion suitable for sachet or syrup applications.

*When ordering a product, please specify which of the indicated monograph(s) are required, as for many products we offer multiple grades to suit your compliancy requirements

Omega 3 Food Emulsions

Ωmelife™ Smooth is a highly concentrated omega 3 emulsion that will enable manufacturers to deliver marketing claims across many food and beverage applications, even at low inclusion levels. It is perfect for incorporation across a wide range of food products, including muffins, juices, pizza bases and yoghurts.

Product Name	Monograph/Chemical Description (Synonyms)	Physical Form	EPA	DHA	Omega 3	Product Description
Ωmelife™ Smooth DHA500 TG	Omega 3 Emulsion	Milky white emulsion	15mg/g min	140mg/g min	170mg/g min	Ωmelife Smooth DHA500 TG is a concentrated, readily bioavailable omega 3 emulsion manufactured using state-of-the-art microencapsulation technology. Ωmelife Smooth DHA TG J is the acid stable version of this product, ideal for low pH (<5.5) applications such as yoghurts and fruit juices.
Ωmelife™ Smooth DHA500 TG J	Omega 3 Emulsion	Milky white emulsion	10mg/g min	90mg/g min	105mg/g min	
Ωmelife™ Smooth TG	Omega 3 Emulsion	White emulsion	80mg/g min	50mg/g min	150mg/g min	Ωmelife Smooth is a highly concentrated, clean declaration omega 3 emulsion that offers food and beverage manufacturers clear advantages, allowing them to gain the goodness of fish without the taste and smell. Available in triglyceride form for ready bioavailability, we also offer Ωmelife Smooth TG J, an acid-stable version suitable for use in low pH applications such as fruit juice.
Ωmelife™ Smooth TG J	Omega 3 Emulsion	White emulsion	50mg/g min	30mg/g min	100mg/g min	

Pharmaceutical Grade Omega 3 Concentrates

Product Name	Product Description
OmeRx™	Our OmeRx range of products offer customers access to API omega 3 solutions. OmeRx combines unrivalled lipid chemistry and technology that is certified with a current GMP Certificate for the manufacture of API quality products issued by the MHRA. Please contact your Health Care Sales representative for more information on our pharmaceutical grade OmeRx products.

*When ordering a product, please specify which of the indicated monograph(s) are required, as for many products we offer multiple grades to suit your compliancy requirements

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API Stability Enhancers			
Vet Pur™ Sesame Oil	Sesame Oil		5
Super Refined™ Arlasolve DMI	Dimethyl Isosorbide		5
Super Refined™ PEG 300	Macrogols PhEur; Polyethylene Glycol NF (Polyethylene Glycol 300)	PhEur, USP/NF	14
Super Refined™ PEG 400	Macrogols PhEur; Polyethylene Glycol NF; Macrogol 400 JP (Polyethylene Glycol 400)	PhEur, USP/NF, JP/JPE	14
Super Refined™ PEG 600	Macrogols PhEur; Polyethylene Glycol NF (Polyethylene Glycol 600)	PhEur, USP/NF	14
Super Refined™ Polysorbate 20	Polysorbate 20 PhEur; Polysorbate 20 NF; Polysorbate 20 JPE	PhEur, USP/NF, JP/JPE	19
Super Refined™ Polysorbate 60	Polysorbate 60 PhEur; Polysorbate 60 NF; Polysorbate 60 JPE	PhEur, USP/NF, JP/JPE	19
Super Refined™ Polysorbate 80	Polysorbate 80 PhEur; Polysorbate 80 NF; Polysorbate 80 JP	PhEur, USP/NF, JP/JPE	19
Super Refined™ SCO	Stearyl Octanoate (and) Cetyl Octanoate		8
Ear Wax Softeners			
Super Refined™ Olive	Olive Oil NF	USP/NF	4
Super Refined™ Peanut	Arachis Oil, Refined PhEur; Peanut Oil NF	PhEur, USP/NF	4
Emollients			
Acetadepts™ P80	Acetylated Lanolin		13
Aqualose™ L30	PEG 30 Lanolin		13
Arlamol™ PS15E	PPG 11 Stearyl Ether	PhEur Pending	16
Crodaco™ CS90	Cetostearyl Alcohol PhEur; Cetostearyl Alcohol NF	PhEur, USP/NF	11
Cholesterol NF	Cholesterol NF	USP/NF	13
Cithrol™ 4DL	PEG 8 Dilaurate		20
Cithrol™ GMS 40	Glycerol Monostearate 40-55 PhEur	PhEur	20
Cithrol™ PG32IS	Triglycerol Diisostearate PhEur; Polyglyceryl-3 Diisostearate NF	PhEur, USP/NF	20
Crodabase™ SQ	Petrolatum-Polyethylene Blend		22
Crodaco™ C70	Cetyl Alcohol		11
Crodaco™ C95	Cetyl Alcohol PhEur; Cetyl Alcohol NF	PhEur, USP/NF	11
Crodaco™ CS50	Cetostearyl Alcohol PhEur; Cetostearyl Alcohol NF	PhEur, USP/NF	11
Crodaco™ S95	Stearyl Alcohol PhEur; Stearyl Alcohol NF	PhEur, USP/NF	11
Crodalan™ LA	Cetyl Acetate (and) Stearyl Acetate (and) Oleyl Acetate (and) Acetylated Lanolin Alcohols		13
Crodamol™ AB	Alkyl (C12-15) Benzoate NF	USP/NF	6
Crodamol™ CAP	Cetostearyl Ethylhexanoate (and) Isopropyl Myristate		6
Crodamol™ CL	Cetyl Lactate		6
Crodamol™ CP	Cetyl Palmitate PhEur	PhEur	6
Crodamol™ GTCC	Triglycerides, Medium-Chain PhEur; Medium-Chain Triglycerides NF (Caprylic/Capric Triglycerides)	PhEur, USP/NF	6
Crodamol™ GTEH	Triethylhexanoin		6
Crodamol™ ICS	Isocetyl Stearate		6
Crodamol™ IPM	Isopropyl Myristate PhEur; Isopropyl Myristate NF; Isopropyl Myristate JPE	PhEur, USP/NF, JP/JPE	6
Crodamol™ IPP	Isopropyl Palmitate PhEur	PhEur	6
Crodamol™ IPIS	Isopropyl Isostearate		6
Crodamol™ ISIS	Isostearyl Isostearate		7
Crodamol™ ML	Myristyl Lactate		7
Crodamol™ MM	Myristyl Myristate JPE	JP/JPE	7
Crodamol™ OHS	Ethylhexyl Hydroxystearate		7
Crodamol™ OP	Ethylhexyl Palmitate		7
Crodamol™ OS	Ethylhexyl Stearate		7
Crodamol™ PTC	Pentaerythrityl Tetracaprylate/Caprata		7
Crodamol™ PTIS	Pentaerythrityl Tetraisostearate		7
Crodamol™ SS	Cetyl Palmitate PhEur; Cetyl Esters Wax NF	PhEur, USP/NF	7
Crodamol™ STS	PPG 3 Benzyl Ether Myristate		8
Crodamol™ W	Stearyl Heptanoate (and) Stearyl Caprylate		8
Croduret™ 40	Macrogolglycerol Hydroxystearate PhEur; Polyoxyl 40 Hydrogenated Castor Oil NF (PEG 40 Hydrogenated Castor Oil)	PhEur, USP/NF	10
Croduret™ 60	Macrogolglycerol Hydroxystearate PhEur (PEG 60 Hydrogenated Castor Oil)	PhEur	10
Cromollient™ SCE	Di-PPG 2 Myreth-10 Adipate		8
Crovol™ A40	PEG 20 Almond Glycerides		10
Crovol™ A70	PEG 60 Almond Glycerides		10
Crovol™ PK70	PEG 45 Palm Kernel Glycerides		10

Product	Chemical description	Monograph	Page
Emollients (contd.)			
Glycerox™ 767	PEG 6 Caprylic/Capric Glycerides		11
Glycerox™ 767HC	Macrogol 6 Glycerol Caprylocaprate PhEur; Caprylocaproyl Polyoxylglycerides NF (PEG 6 Caprylic/Capric Glycerides)	PhEur, USP/NF	11
Glycerox™ HE	Macrogolglycerol Cocoates PhEur (PEG 7 Glyceryl Cocoate)	PhEur	11
Incroquat™ QLC	Quaternium-92 (and) Dipropylene Glycol		25
Liquid Medilan™ Ultra	Liquid Lanolin		13
Medilan™	Wool Fat PhEur; Modified Lanolin NF; Purified Lanolin JP	PhEur, USP/NF, JP/JPE	12
Medilan™ Super	Modified Lanolin NF	USP/NF	12
Medilan™ Ultra	Modified Lanolin NF	USP/NF	12
Novol™	Oleyl Alcohol NF	USP/NF	11
Phamalan™ PhEur	Wool Fat PhEur	PhEur	12
Pharmalan™ USP	Modified Lanolin NF		12
Satulan™	Wool Fat, Hydrogenated PhEur		13
Solan™ 60	PEG 60 Lanolin		13
Solan™ 60/50	PEG 60 Lanolin 50%		13
Solan™ 75	PEG 75 Lanolin		13
Solan™ 75/50	PEG 75 Lanolin (and) Aqua		13
Super Hartolan™	Wool Alcohols PhEur; Lanolin Alcohols NF; Lanolin Alcohol JPE	PhEur, USP/NF, JP/JPE	13
Super Refined™ Castor Oil USP	Castor Oil, Virgin PhEur; Castor Oil USP; Castor Oil JP	PhEur, USP/NF, JP/JPE	4
Super Refined™ Cottonseed	Cottonseed Oil NF	USP/NF	4
Super Refined™ Crodamol IPM	Isopropyl Myristate PhEur; Isopropyl Myristate NF; Isopropyl Myristate JPE	PhEur, USP/NF, JP/JPE	8
Super Refined™ Crodamol MM	Myristyl Myristate, Refined		8
Super Refined™ Novol	Oleyl Alcohol NF	USP/NF	11
Super Refined™ Olive	Olive Oil NF	USP/NF	4
Super Refined™ Safflower	Safflower Oil USP		4
Super Refined™ Soybean	Soya-bean Oil, Refined PhEur; Soybean Oil NF; Soybean Oil JP	PhEur, USP/NF, JP/JPE	4
Emulsifying Agents			
Aqualose™ L30	PEG 30 Lanolin		13
Argobase™ 125	Proprietary Blend		13
Argobase™ S1	Proprietary Blend		13
Arlacel™ 1690	Sorbitan Isostearate (and) Polyglyceryl-3 Polyricinoleate		9
Arlacel™ 165	Glyceryl Stearate (and) PEG 100 Stearate		20
Arlacel™ 2121	Sorbitan Stearate (and) Sucrose Cocoate		9
Arlacel™ 983	Stearoyl Macrogolglycerides PhEur (Glyceryl Stearate (and) PEG 30 Stearate)	PhEur	20
Arlacel™ LC	Sorbitan Stearate (and) Sorbityl Laurate		9
Brij™ CS12	Macrogol Cetostearyl Ether PhEur (PEG 12 Cetostearyl Ether)	PhEur	16
Brij™ CS25	Macrogol Cetostearyl Ether PhEur, Polyoxyl 20 Cetostearyl Ether NF (PEG 25 Cetostearyl Ether)	PhEur, USP/NF	16
Brij™ L23	Macrogol Lauryl Ether PhEur, Polyoxyl Lauryl Ether NF (PEG 23 Lauryl Ether)	PhEur, USP/NF	16
Brij™ L9	Macrogol Lauryl Ether PhEur, Polyoxyl Lauryl Ether NF (PEG 9 Lauryl Ether)	PhEur, USP/NF	16
Brij™ LT23	C12-13 Pareth-23		16
Brij™ LT3	C12-13 Pareth-3		16
Brij™ LT4	C12-13 Pareth-4		16
Brij™ O10	Macrogol Oleyl Ether PhEur, Polyoxyl 10 Oleyl Ether NF (PEG 10 Oleyl Ether)	PhEur, USP/NF	16
Brij™ O20	Macrogol Oleyl Ether PhEur (PEG 20 Oleyl Ether)	PhEur	16
Brij™ O5	Macrogol Oleyl Ether PhEur (PEG 5 Oleyl Ether)	PhEur	16
Brij™ S10	Macrogol Stearyl Ether PhEur (PEG 10 Oleyl Ether)	PhEur	17
Brij™ S2	Macrogol Stearyl Ether PhEur, Polyoxyl Stearyl Ether NF (PEG 2 Stearyl Ether)	PhEur, USP/NF	17
Brij™ S20	Macrogol Stearyl Ether PhEur, Polyoxyl Stearyl Ether NF (PEG 20 Stearyl Ether)	PhEur, USP/NF	17
Brij™ S721	PEG 21 Stearyl Ether		17
Cetomacrogol 1000	Macrogol Cetostearyl Ether PhEur, Polyoxyl 20 Cetostearyl Ether NF (PEG 20 Cetostearyl Ether)	PhEur, USP/NF	17
Crodacol™ CS90	Cetostearyl Alcohol PhEur; Cetostearyl Alcohol NF	PhEur, USP/NF	11
Cholesterol NF	Cholesterol NF	USP/NF	13
Cithrol™ 4DL	PEG 8 Dilaurate		20
Cithrol™ DPHS	PEG 30 Dipolyhydroxystearate	PhEur	20
Cithrol™ GMO HP	Glyceryl Oleate	PhEur	20
Cithrol™ GMS 40	Glycerol Monostearate 40-55 PhEur	PhEur	20

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Emulsifying Agents (contd.)			
Cithrol™ PG32IS	Triglycerol Diisostearate PhEur; Polyglyceryl-3 Diisostearate NF	PhEur, USP/NF	20
Cithrol™ PG3PR	Polyglyceryl-3 Polyricinoleate		20
Cithrol™ S20BW	Polyoxyethylene (20) Sorbitol Beeswax Derivative		20
Crodacol™ C70	Cetyl Alcohol		11
Crodacol™ C95	Cetyl Alcohol PhEur; Cetyl Alcohol NF	PhEur, USP/NF	11
Crodacol™ CS50	Cetostearyl Alcohol PhEur; Cetostearyl Alcohol NF	PhEur, USP/NF	11
Crodafos™ CES	Cetearyl Alcohol (and) Dicapryl Phosphate (and) Ceteth-10 Phosphate		9
Crodamol™ GTCC	Triglycerides, Medium-Chain PhEur; Medium-Chain Triglycerides NF (Caprylic/Capric Triglycerides)	PhEur, USP/NF	6
Crodex™ A	Cetostearyl Alcohol [Type B], Emulsifying PhEur	PhEur	9
Crodex™ M	Cetearyl Alcohol (and) Potassium Cetyl Phosphate		9
Crodex™ N	Cetomacrogol Emulsifying Wax		9
Croduret™ 40	Macrogolglycerol Hydroxystearate PhEur; Polyoxyl 40 Hydrogenated Castor Oil NF (PEG 40 Hydrogenated Castor Oil)	PhEur, USP/NF	10
Croduret™ 7	Macrogolglycerol Hydroxystearate PhEur (PEG 7 Hydrogenated Castor Oil)	PhEur	10
Etocas™ 40	PEG 40 Castor Oil		10
Etocas™ 5	PEG 5 Castor Oil		10
Incroquat™ Behenyl TMS-50	Behenyltrimonium Methosulfate (and) Cetyl Alcohol (and) Butylene Glycol		25
Medilan™	Wool Fat PhEur; Modified Lanolin NF; Purified Lanolin JP	PhEur, USP/NF, JP/JPE	12
Medilan™ Ultra	Modified Lanolin NF	USP/NF	12
Myrj™ S100	Macrogol Stearate PhEur (PEG 100 Stearate)	PhEur	15
Myrj™ S25/1	PEG 25 Propylene Glycol Stearate		15
Myrj™ S40	Macrogol Stearate PhEur; Polyoxyl Stearate NF (PEG 40 Stearate)	PhEur, USP/NF	15
Myrj™ S8	Macrogol Stearate PhEur (PEG 8 Stearate)	PhEur	15
Novol™	Oleyl Alcohol NF	USP/NF	11
Pharmalan™ USP	Modified Lanolin NF		12
Polawax™ A-31	Emulsifying Wax		9
Polawax™ GP-200	Cetanol (and) Polyethyleneglycol Monostearate Mixed Wax JPE	JP/JPE	9
Polawax™ NF	Emulsifying Wax NF	USP/NF	9
Span™ 120	Sorbitan Isostearate		18
Span™ 20	Sorbitan Laurate PhEur; Sorbitan Laurate NF	PhEur, USP/NF	18
Span™ 40	Sorbitan Palmitate PhEur; Sorbitan Palmitate NF	PhEur, USP/NF	18
Span™ 60	Sorbitan Stearate PhEur; Sorbitan Stearate NF	PhEur, USP/NF	18
Span™ 80	Sorbitan Oleate PhEur; Sorbitan Monooleate NF	PhEur, USP/NF	18
Span™ 80 HP	Sorbitan Oleate PhEur; Sorbitan Monooleate NF	PhEur, USP/NF	18
Span™ 83	Sorbitan Sesquioleate PhEur; Sorbitan Sesquioleate NF	PhEur, USP/NF	18
Span™ 85	Sorbitan Trioleate PhEur; Sorbitan Trioleate NF	PhEur, USP/NF	18
Super Hartolan™	Wool Alcohols PhEur; Lanolin Alcohols NF; Lanolin Alcohol JPE	PhEur, USP/NF, JP/JPE	13
Super Refined™ Beeswax	Beeswax (White Wax) PhEur; Beeswax (White Wax) NF; Beeswax (White Wax) JPE	PhEur, USP/NF, JP/JPE	9
Super Refined™ Etocas 35	Macrogolglycerol Ricinoleate PhEur; Polyoxyl 35 Castor Oil NF (PEG 35 Castor Oil)	PhEur, USP/NF	10
Super Refined™ Novol	Oleyl Alcohol NF	USP/NF	11
Super Refined™ Oleic Acid	Oleic Acid PhEur; Oleic Acid NF; Purified Oleic Acid JPE	PhEur, USP/NF, JP/JPE	5
Super Refined™ Polysorbate 20	Polysorbate 20 PhEur; Polysorbate 20 NF; Polysorbate 20 JPE	PhEur, USP/NF, JP/JPE	19
Super Refined™ Polysorbate 60	Polysorbate 60 PhEur; Polysorbate 60 NF; Polysorbate 60 JPE	PhEur, USP/NF, JP/JPE	19
Super Refined™ Polysorbate 80	Polysorbate 80 PhEur; Polysorbate 80 NF; Polysorbate 80 JP	PhEur, USP/NF, JP/JPE	19
Syncrowax™ BB4	Synthetic Beeswax		9
Syncrowax™ ERLC	C18-36 Acid Glycol Ester		9
Synperonic™ PE L101	Poloxamer 331		23
Synperonic™ PE/F108	Poloxamer 338		23
Synperonic™ PE/F127	Poloxamers PhEur; Poloxamer NF (Poloxamer 407)	PhEur, USP/NF	23
Synperonic™ PE/F68	Poloxamers PhEur; Poloxamer NF (Poloxamer 188)	PhEur, USP/NF	23
Synperonic™ PE/F87	Poloxamers PhEur; Poloxamer NF (Poloxamer 237)	PhEur, USP/NF	23
Synperonic™ PE/L 44	Poloxamer 124		23
Synperonic™ PE/L31	Poloxamer 101		23
Synperonic™ PE/L61	Poloxamer 181		23
Synperonic™ PE/L62	Poloxamer 182		23

Product	Chemical description	Monograph	Page
Emulsifying Agents (contd.)			
Synperonic™ PE/L64	Poloxamer 184		23
Tween™ 20	Polysorbate 20 PhEur; Polysorbate 20 NF	PhEur, USP/NF	19
Tween™ 20 HP	Polysorbate 20 PhEur; Polysorbate 20 NF; Polysorbate 20 JPE	PhEur, USP/NF, JP/JPE	19
Tween™ 40	Polysorbate 40 PhEur; Polysorbate 40 NF	PhEur, USP/NF	19
Tween™ 60	Polysorbate 60 PhEur; Polysorbate 60 NF	PhEur, USP/NF	19
Tween™ 60 HP	Polysorbate 60 PhEur; Polysorbate 60 NF	PhEur, USP/NF	19
Tween™ 80	Polysorbate 80 PhEur; Polysorbate 80 NF	PhEur, USP/NF	19
Tween™ 80 HP	Polysorbate 80 PhEur; Polysorbate 80 NF; Polysorbate 80 JP	PhEur, USP/NF, JP/JPE	19
Humectant			
Pricerine™ 9093	Glycol PhEur	PhEur	22
Ingestible Lipids			
Incromega™ 3mulsion DHA	Omega 3 Emulsion		26
Incromega™ DHA 500TG	Omega-3-Acid Triglycerides PhEur	PhEur	26
Incromega™ E1050	Omega-3-Acid Ethyl Esters NF	NF	26
Incromega™ E1070	Omega-3-Acid Ethyl Esters 60 PhEur	PhEur	26
Incromega™ E3322	Omega-3-Acid Ethyl Esters 60 PhEur	PhEur	26
Incromega™ E4030	Omega-3-Acid Ethyl Esters 60 PhEur	PhEur	26
Incromega™ E460180	Omega-3-Acid Ethyl Esters 60		26
Incromega™ E5020	Omega-3-Acid Ethyl Esters 60 PhEur	PhEur	26
Incromega™ E530200	Omega-3-Acid Ethyl Esters 60 PhEur	PhEur	26
Incromega™ E7010	Omega-3-Acid Ethyl Esters 60 PhEur	PhEur	26
Incromega™ EPA 500TG	Omega-3-Acid Triglycerides PhEur	PhEur	26
Incromega™ TG0525	Refined Tuna Oil		26
Incromega™ TG1050	Omega-3-Acid Triglycerides NF	NF	26
Incromega™ TG3322	Omega-3-Acid Triglycerides PhEur	PhEur	26
Incromega™ TG3322 SR	Omega-3-Acid Triglycerides PhEur	PhEur	26
Incromega™ TG4030	Omega-3-Acid Triglycerides PhEur	PhEur	26
Incromega™ TG6015	Omega-3-Acid Triglycerides PhEur	PhEur	26
Omelifa™ Smooth DHA500 TG	Omega 3 Emulsion		27
Omelifa™ Smooth DHA500 TG J	Omega 3 Emulsion		27
Omelifa™ Smooth TG	Omega 3 Emulsion		27
Omelifa™ Smooth TG J	Omega 3 Emulsion		27
Ingestible Protein			
Procol™ B5	Gelatin (Hydrolysed, Bovine) Mw 2500 - 4000 Da		21
Procol™ M5	Gelatin (Hydrolysed, Bovine) Mw 2500 - 4000 Da		21
Ointment Bases			
Argobase™ 125	Proprietary Blend		13
Argobase™ S1	Proprietary Blend		13
Cetomacrogol 1000	Macrogol Cetostearyl Ether PhEur, Polyoxyl 20 Cetostearyl Ether NF (PEG 20 Cetostearyl Ether)	PhEur, USP/NF	17
Crodabase™ SQ	Petrolatum-Polyethylene Blend	PhEur, USP/NF	22
Crodaco™ C70	Cetyl Alcohol	PhEur, USP/NF	11
Crodaco™ C95	Cetyl Alcohol PhEur; Cetyl Alcohol NF	PhEur, USP/NF	11
Crodaco™ CS50	Cetostearyl Alcohol PhEur; Cetostearyl Alcohol NF	PhEur, USP/NF	11
Crodaco™ S95	Stearyl Alcohol PhEur; Stearyl Alcohol NF	PhEur, USP/NF	11
Crodamol™ GTCC	Triglycerides, Medium-Chain PhEur; Medium-Chain Triglycerides NF (Caprylic/Capric Triglycerides)		6
Crodamol™ SS	Cetyl Palmitate PhEur; Cetyl Esters Wax NF	PhEur, USP/NF	7
Crodex™ A	Cetostearyl Alcohol [Type B], Emulsifying PhEur	PhEur	9
Crodex™ M	Cetearyl Alcohol (and) Potassium Cetyl Phosphate		9
Crodex™ N	Cetomacrogol Emulsifying Wax		9
Liquid Medilan™ Ultra	Liquid Lanolin	USP/NF, JP/JPE	13
Medilan™	Wool Fat PhEur; Modified Lanolin NF; Purified Lanolin JP	PhEur, USP/NF, JP/JPE	12
Medilan™ Ultra	Modified Lanolin NF	USP/NF	12
Pharmalan™ USP	Modified Lanolin NF	USP/NF	12
Polawax™ A-31	Emulsifying Wax		9
Polawax™ NF	Emulsifying Wax NF	USP/NF	9

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Super Hartolan™	Wool Alcohols PhEur; Lanolin Alcohols NF; Lanolin Alcohol JPE	PhEur, USP/NF	13
Super Refined™ Beeswax	Beeswax (White Wax) PhEur; Beeswax (White Wax) NF; Beeswax (White Wax) JPE	PhEur, USP/NF, JP/JPE	9
Super Refined™ Castor Oil USP	Castor Oil, Virgin PhEur; Castor Oil USP; Castor Oil JP	PhEur, USP/NF, JP/JPE	4
Super Refined™ Olive	Olive Oil NF	PhEur, USP/NF, JP/JPE	4
Super Refined™ PEG 300	Macrogols PhEur; Polyethylene Glycol NF (Polyethylene Glycol 300)	PhEur, USP/NF	14
Super Refined™ PEG 400	Macrogols PhEur; Polyethylene Glycol NF; Macrogol 400 JP (Polyethylene Glycol 400)	PhEur, USP/NF, JP	14
Super Refined™ PEG 600	Macrogols PhEur; Polyethylene Glycol NF (Polyethylene Glycol 600)	PhEur, USP/NF, JP/JPE	14
Super Refined™ Sesame	Sesame Oil, Refined PhEur; Sesame Oil NF; Sesame Oil JP	PhEur, USP/NF	4
Synperonic™ PE/F127	Poloxamers PhEur; Poloxamer NF (Poloxamer 407)	PhEur, USP/NF	23
Synperonic™ PE/F68	Poloxamers PhEur; Poloxamer NF (Poloxamer 188)		23
Synperonic™ PE/F87	Poloxamers PhEur; Poloxamer NF (Poloxamer 237)		23
Synperonic™ PE/L44	Poloxamer 124		23
Synperonic™ PE/L31	Poloxamer 101		23
Synperonic™ PE/L61	Poloxamer 181		23
Synperonic™ PE/L62	Poloxamer 182		23
Synperonic™ PE/L64	Poloxamer 184		23
Oleaginous Vehicles			
Crodamol™ EO	Ethyl Oleate PhEur; Ethyl Oleate NF	PhEur, USP/NF	6
Crodamol™ IPM	Isopropyl Myristate PhEur; Isopropyl Myristate NF; Isopropyl Myristate JPE	PhEur, USP/NF, JP/JPE	6
Crodamol™ IPP	Isopropyl Palmitate PhEur	PhEur	6
Super Refined™ Castor Oil USP	Castor Oil, Virgin PhEur; Castor Oil USP; Castor Oil JP	PhEur, USP/NF, JP/JPE	4
Super Refined™ Crodamol IPM	Isopropyl Myristate PhEur; Isopropyl Myristate NF; Isopropyl Myristate JPE	PhEur, USP/NF, JP/JPE	8
Super Refined™ Olive	Olive Oil NF	USP/NF	4
Super Refined™ Peanut	Arachis Oil, Refined PhEur; Peanut Oil NF	PhEur, USP/NF	4
Super Refined™ Safflower	Safflower Oil USP		4
Super Refined™ Sesame	Sesame Oil, Refined PhEur; Sesame Oil NF; Sesame Oil JP	PhEur, USP/NF, JP/JPE	4
Super Refined™ Soybean	Soya-bean Oil, Refined PhEur; Soybean Oil NF; Soybean Oil JP	PhEur, USP/NF, JP/JPE	4
Vet Pur™ Canola Oil	Canola Oil		5
Vet Pur™ Castor Oil	Castor Oil		5
Vet Pur™ Sesame Oil	Sesame Oil		5
Vet Pur™ Soybean Oil	Soybean Oil		5
Solubilising Agents			
Aqualose™ L30	PEG 30 Lanolin		13
Brij™ CS25	Macrogol Cetostearyl Ether PhEur, Polyoxyl 20 Cetostearyl Ether NF (PEG 25 Cetostearyl Ether)	PhEur, USP/NF	16
Brij™ L23	Macrogol Lauryl Ether PhEur, Polyoxyl Lauryl Ether NF (PEG 23 Lauryl Ether)	PhEur, USP/NF	16
Brij™ L9	Macrogol Lauryl Ether PhEur, Polyoxyl Lauryl Ether NF (PEG 9 Lauryl Ether)	PhEur, USP/NF	16
Brij™ LT23	C12-13 Pareth-23		16
Brij™ O5	Macrogol Oleyl Ether PhEur (PEG 5 Oleyl Ether)	PhEur	16
Brij™ O10	Macrogol Oleyl Ether PhEur, Polyoxyl 10 Oleyl Ether NF (PEG 10 Oleyl Ether)	PhEur, USP/NF	16
Brij™ O20	Macrogol Oleyl Ether PhEur (PEG 20 Oleyl Ether)	PhEur	16
Brij™ S2	Macrogol Stearyl Ether PhEur, Polyoxyl Stearyl Ether NF (PEG 2 Stearyl Ether)	PhEur, USP/NF	17
Brij™ S10	Macrogol Stearyl Ether PhEur (PEG 10 Oleyl Ether)	PhEur	17
Brij™ S20	Macrogol Stearyl Ether PhEur, Polyoxyl Stearyl Ether NF (PEG 20 Stearyl Ether)	PhEur, USP/NF	17
Brij™ S721	PEG 21 Stearyl Ether		17
Cetomacrogol 1000	Macrogol Cetostearyl Ether PhEur, Polyoxyl 20 Cetostearyl Ether NF (PEG 20 Cetostearyl Ether)	PhEur, USP/NF	17
Cithrol™ GMS 40	Glycerol Monostearate 40-55 PhEur	PhEur	20
Crodamol™ GTCC	Triglycerides, Medium-Chain PhEur; Medium-Chain Triglycerides NF (Caprylic/Capric Triglycerides)	PhEur, USP/NF	6
Crodasol™ HS HP	Macrogol 15 Hydroxystearate PhEur (PEG 660 12-Hydroxystearate); Polyoxyl 15 Hydroxystearate NF	PhEur, USP/NF	21
Crodateric™ CAB 30	Cocamidopropyl Betaine		24
Croduret™ 40	Macrogolglycerol Hydroxystearate PhEur; Polyoxyl 40 Hydrogenated Castor Oil NF (PEG 40 Hydrogenated Castor Oil)	PhEur, USP/NF	10
Croduret™ 50	Macrogolglycerol Hydroxystearate PhEur; Polyoxyl 40 Hydrogenated Castor Oil NF (PEG 40-45 Hydrogenated Castor Oil)	PhEur, USP/NF	10
Croduret™ 60	Macrogolglycerol Hydroxystearate PhEur (PEG 60 Hydrogenated Castor Oil)	PhEur	10

Product	Chemical description	Monograph	Page
Solubilising Agents (contd.)			
Croduret™ 7	Macrogolglycerol Hydroxystearate PhEur (PEG 7 Hydrogenated Castor Oil)	PhEur	10
Crovol™ A40	PEG 20 Almond Glycerides		10
Crovol™ A70	PEG 60 Almond Glycerides		10
Crovol™ M70	PEG 60 Corn Glycerides		10
Crovol™ PK70	PEG 45 Palm Kernel Glycerides		10
Etocas™ 15	PEG 15 Castor Oil		10
Etocas™ 29	PEG 29 Castor Oil		10
Etocas™ 35	Macrogolglycerol Ricinoleate PhEur; Polyoxyl 35 Castor Oil NF (PEG 35 Castor Oil)	PhEur, USP/NF	10
Etocas™ 40	PEG 40 Castor Oil		10
Etocas™ 5	PEG 5 Castor Oil		10
Glycerox™ 767	PEG 6 Caprylic/Capric Glycerides	PhEur, USP/NF	11
Glycerox™ 767HC	Macrogol 6 Glycerol Caprylocaprate PhEur; Caprylocaproyl Polyoxylglycerides NF (PEG 6 Caprylic/Capric Glycerides)	PhEur	11
Glycerox™ HE	Macrogolglycerol Cocoates PhEur (PEG 7 Glyceryl Cocoate)		11
Glycerox™ L15	PEG 15 Glyceryl Laurate		11
Polawax™ A-31	Emulsifying Wax	USP/NF	9
Polawax™ NF	Emulsifying Wax NF		9
Solan™ 60	PEG 60 Lanolin		13
Solan™ 60/50	PEG 60 Lanolin 50%		13
Solan™ 75	PEG 75 Lanolin		13
Solan™ 75/50	PEG 75 Lanolin (and) Aqua		13
Span™ 120	Sorbitan Isostearate	PhEur, USP/NF	18
Span™ 20	Sorbitan Laurate PhEur; Sorbitan Monolaurate NF	PhEur, USP/NF	18
Span™ 40	Sorbitan Palmitate PhEur; Sorbitan Palmitate NF	PhEur, USP/NF	18
Span™ 60	Sorbitan Stearate PhEur; Sorbitan Stearate NF	PhEur, USP/NF	18
Span™ 80	Sorbitan Oleate PhEur; Sorbitan Monooleate NF	PhEur, USP/NF	18
Span™ 80 HP	Sorbitan Oleate PhEur; Sorbitan Monooleate NF	PhEur, USP/NF	18
Span™ 83	Sorbitan Sesquioleate PhEur; Sorbitan Sesquioleate NF	PhEur, USP/NF	18
Span™ 85	Sorbitan Trioleate PhEur; Sorbitan Trioleate NF	PhEur, USP/NF	18
Super Refined™ Etocas 35	Macrogolglycerol Ricinoleate PhEur; Polyoxyl 35 Castor Oil NF (PEG 35 Castor Oil)	PhEur, USP/NF, JP/JPE	10
Super Refined™ Polysorbate 20	Polysorbate 20 PhEur; Polysorbate 20 NF; Polysorbate 20 JPE	PhEur, USP/NF, JP/JPE	19
Super Refined™ Polysorbate 60	Polysorbate 60 PhEur; Polysorbate 60 NF; Polysorbate 60 JPE	PhEur, USP/NF, JP/JPE	19
Super Refined™ Polysorbate 80	Polysorbate 80 PhEur; Polysorbate 80 NF; Polysorbate 80 JP		19
Synperonic™ PE/F108	Poloxamer 338	PhEur, USP/NF	23
Synperonic™ PE/F127	Poloxamers PhEur; Poloxamer NF (Poloxamer 407)	PhEur, USP/NF	23
Synperonic™ PE/F68	Poloxamers PhEur; Poloxamer NF (Poloxamer 188)	PhEur, USP/NF	23
Synperonic™ PE/F87	Poloxamers PhEur; Poloxamer NF (Poloxamer 237)		23
Synperonic™ PE/L62	Poloxamer 182	PhEur, USP/NF	23
Tween™ 20	Polysorbate 20 PhEur; Polysorbate 20 NF	PhEur, USP/NF, JP/JPE	19
Tween™ 20 HP	Polysorbate 20 PhEur; Polysorbate 20 NF; Polysorbate 20 JPE	PhEur, USP/NF	19
Tween™ 40	Polysorbate 40 PhEur; Polysorbate 40 NF	PhEur, USP/NF	19
Tween™ 60	Polysorbate 60 PhEur; Polysorbate 60 NF	PhEur, USP/NF	19
Tween™ 60 HP	Polysorbate 60 PhEur; Polysorbate 60 NF	PhEur, USP/NF	19
Tween™ 80	Polysorbate 80 PhEur; Polysorbate 80 NF	PhEur, USP/NF, JP/JPE	19
Tween™ 80 HP	Polysorbate 80 PhEur; Polysorbate 80 NF; Polysorbate 80 JP		19
Solvents			
Arlamol™ PS15E	PPG 11 Stearyl Ether	PhEur Pending	16
Crodamol™ DA	Diisopropyl Adipate JPE	JP/JPE	6
Crodamol™ EO	Ethyl Oleate PhEur; Ethyl Oleate NF	PhEur, USP/NF	6
Crodamol™ GTCC	Triglycerides, Medium-Chain PhEur; Medium-Chain Triglycerides NF (Caprylic/Capric Triglycerides)	PhEur, USP/NF	6
Crodamol™ IPM	Isopropyl Myristate PhEur; Isopropyl Myristate NF; Isopropyl Myristate JPE	PhEur, USP/NF, JP/JPE	6
Crodamol™ IPP	Isopropyl Palmitate PhEur	PhEur	6
Crodamol™ PC	Propylene Glycol Dicaprylocaprate PhEur; Propylene Glycol Dicaprylocaprate NF	PhEur, USP/NF	7
Crodamol™ PMP	PPG 2 Myristyl Ether Propionate		7
Crodamol™ W	Stearyl Heptanoate (and) Stearyl Caprylate		8

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Solvents (contd.)			
Renex™ PEG 400	Macrogols PhEur; Polyethylene Glycol NF (Polyethylene Glycol 400)	PhEur, USP/NF	14
Renex™ PEG 1500	Macrogols PhEur; Polyethylene Glycol NF (Polyethylene Glycol 1500)	PhEur, USP/NF	14
Renex™ PEG 4000	Macrogols PhEur; Polyethylene Glycol NF (Polyethylene Glycol 4000)	PhEur, USP/NF	14
Renex™ PEG 6000	Macrogols PhEur; Polyethylene Glycol NF (Polyethylene Glycol 6000)	PhEur, USP/NF	14
Renex™ PEG 10000	Polyethylene Glycol 10000		14
Super Refined™ Arlasolve DMI	Dimethyl Isosorbide		5
Super Refined™ Castor Oil USP	Castor Oil, Virgin PhEur; Castor Oil USP; Castor Oil JP	PhEur, USP/NF, JP/JPE	4
Super Refined™ Corn	Maize Oil, Refined PhEur; Corn Oil NF	PhEur, USP/NF	4
Super Refined™ Cottonseed	Cottonseed Oil NF	USP/NF	4
Super Refined™ Crodamol IPM	Isopropyl Myristate PhEur; Isopropyl Myristate NF; Isopropyl Myristate JPE	PhEur, USP/NF, JP/JPE	8
Super Refined™ Etocas 35	Macroglycerol Ricinoleate PhEur; Polyoxyl 35 Castor Oil NF (PEG 35 Castor Oil)	PhEur, USP/NF	10
Super Refined™ Olive	Olive Oil NF	USP/NF	4
Super Refined™ Peanut	Arachis Oil, Refined PhEur; Peanut Oil NF	PhEur, USP/NF	4
Super Refined™ PEG 300	Macrogols PhEur; Polyethylene Glycol NF (Polyethylene Glycol 300)	PhEur, USP/NF	14
Super Refined™ PEG 400	Macrogols PhEur; Polyethylene Glycol NF; Macrogol 400 JP (Polyethylene Glycol 400)	PhEur, USP/NF, JP/JPE	14
Super Refined™ PEG 600	Macrogols PhEur; Polyethylene Glycol NF (Polyethylene Glycol 600)	PhEur, USP/NF	14
Super Refined™ Safflower	Safflower Oil USP		4
Super Refined™ Sesame	Sesame Oil, Refined PhEur; Sesame Oil NF; Sesame Oil JP	PhEur, USP/NF, JP/JPE	4
Super Refined™ Soybean	Soya-bean Oil, Refined PhEur; Soybean Oil NF; Soybean Oil JP	PhEur, USP/NF, JP/JPE	4
Stabilising Agents			
Arlacel™ 2121	Sorbitan Stearate (and) Sucrose Cocoate		9
Arlacel™ LC	Sorbitan Stearate (and) Sorbityl Laurate		9
Brij™ CS25	Macrogol Cetostearyl Ether PhEur, Polyoxyl 20 Cetostearyl Ether NF (PEG 25 Cetostearyl Ether)	PhEur, USP/NF	16
Brij™ L23	Macrogol Lauryl Ether PhEur, Polyoxyl Lauryl Ether NF (PEG 23 Lauryl Ether)	PhEur, USP/NF	16
Brij™ L9	Macrogol Lauryl Ether PhEur, Polyoxyl Lauryl Ether NF (PEG 9 Lauryl Ether)	PhEur, USP/NF	16
Brij™ O5	Macrogol Oleyl Ether PhEur (PEG 5 Oleyl Ether)	PhEur	16
Brij™ O10	Macrogol Oleyl Ether PhEur, Polyoxyl 10 Oleyl Ether NF (PEG 10 Oleyl Ether)	PhEur, USP/NF	16
Brij™ O20	Macrogol Oleyl Ether PhEur (PEG 20 Oleyl Ether)	PhEur	16
Brij™ S2	Macrogol Stearyl Ether PhEur, Polyoxyl Stearyl Ether NF (PEG 2 Stearyl Ether)	PhEur, USP/NF	17
Brij™ S10	Macrogol Stearyl Ether PhEur (PEG 10 Oleyl Ether)	PhEur	17
Brij™ S20	Macrogol Stearyl Ether PhEur, Polyoxyl Stearyl Ether NF (PEG 20 Stearyl Ether)	PhEur, USP/NF	17
Brij™ S721	PEG 21 Stearyl Ether		17
Cholesterol NF	Cholesterol NF	USP/NF	13
Cithrol™ GMS 40	Glycerol Monostearate 40-55 PhEur	PhEur	20
Crodacol™ C70	Cetyl Alcohol		11
Crodacol™ C90	Cetyl Alcohol PhEur; Cetyl Alcohol NF	PhEur, USP/NF	11
Crodacol™ C95	Cetyl Alcohol PhEur; Cetyl Alcohol NF	PhEur, USP/NF	11
Crodacol™ CS50	Cetostearyl Alcohol PhEur; Cetostearyl Alcohol NF	PhEur, USP/NF	11
Crodacol™ CS90	Cetostearyl Alcohol PhEur; Cetostearyl Alcohol NF	PhEur, USP/NF	11
Crodacol™ S95	Stearyl Alcohol PhEur; Stearyl Alcohol NF	PhEur, USP/NF	11
Crodafos™ CES	Cetearyl Alcohol (and) Dicaprylate PhEur (and) Dicaprylate NF		9
Crodamol™ MM	Myristyl Myristate JPE	JP/JPE	7
Crothix™	PEG 150 Pentaerythriyl Tetrastearate		21
Crothix™ Liquid	PEG 150 Pentaerythriyl Tetrastearate (and) PEG 6 Caprylic/Capric Glycerides (and) Aqua		21
Croduret™ 40	Macroglycerol Hydroxystearate PhEur; Polyoxyl 40 Hydrogenated Castor Oil NF (PEG 40 Hydrogenated Castor Oil)	PhEur, USP/NF	10
Croduret™ 60	Macroglycerol Hydroxystearate PhEur (PEG 60 Hydrogenated Castor Oil)	PhEur	10
Polawax™ GP-200	Cetanol (and) Polyethyleneglycol Monostearate Mixed Wax JPE	JP/JPE	9
Span™ 120	Sorbitan Isostearate		18
Span™ 20	Sorbitan Laurate PhEur; Sorbitan Monolaurate NF	PhEur, USP/NF	18
Span™ 40	Sorbitan Palmitate PhEur; Sorbitan Palmitate NF	PhEur, USP/NF	18
Span™ 60	Sorbitan Stearate PhEur; Sorbitan Stearate NF	PhEur, USP/NF	18
Span™ 80	Sorbitan Oleate PhEur; Sorbitan Monooleate NF	PhEur, USP/NF	18
Span™ 80 HP	Sorbitan Oleate PhEur; Sorbitan Monooleate NF	PhEur, USP/NF	18
Span™ 83	Sorbitan Sesquioleate PhEur; Sorbitan Sesquioleate NF	PhEur, USP/NF	18
Span™ 85	Sorbitan Trioleate PhEur; Sorbitan Trioleate NF	PhEur, USP/NF	18

Product	Chemical description	Monograph	Page
Stiffening Agents (contd.)			
Super Refined™ Beeswax	Beeswax (White Wax) PhEur; Beeswax (White Wax) NF; Beeswax (White Wax) JPE	PhEur, USP/NF, JP/JPE	9
Super Refined™ Crodamol MM	Myristyl Myristate, Refined		8
Super Refined™ PEG 300	Macrogols PhEur; Polyethylene Glycol NF (Polyethylene Glycol 300)	PhEur, USP/NF	14
Super Refined™ PEG 400	Macrogols PhEur; Polyethylene Glycol NF; Macrogol 400 JP (Polyethylene Glycol 400)	PhEur, USP/NF, JP/JPE	14
Super Refined™ PEG 600	Macrogols PhEur; Polyethylene Glycol NF (Polyethylene Glycol 600)	PhEur, USP/NF	14
Super Hartolan™	Wool Alcohols PhEur; Lanolin Alcohols NF; Lanolin Alcohol JPE	PhEur, USP/NF, JP/JPE	13
Syncrowax™ BB4	Synthetic Beeswax		9
Syncrowax™ ERLC	C18-36 Acid Glycol Ester		9
Cetomacrogol 1000	Macrogol Cetostearyl Ether PhEur, Polyoxyl 20 Cetostearyl Ether NF (PEG 20 Cetostearyl Ether)	PhEur, USP/NF	17
Crodacol™ C70	Cetyl Alcohol		11
Crodacol™ C95	Cetyl Alcohol PhEur; Cetyl Alcohol NF	PhEur, USP/NF	11
Crodacol™ CS50	Cetostearyl Alcohol PhEur; Cetostearyl Alcohol NF	PhEur, USP/NF	11
Crodacol™ S95	Stearyl Alcohol PhEur; Stearyl Alcohol NF	PhEur, USP/NF	11
Crodamol™ SS	Cetyl Palmitate PhEur; Cetyl Esters Wax NF	PhEur, USP/NF	7
Crothix™	PEG 150 Pentaerythriyl Tetrastearate		21
Crothix™ Liquid	PEG 150 Pentaerythriyl Tetrastearate (and) PEG 6 Caprylic/Capric Glycerides (and) Aqua		21
Polawax™ A-31	Emulsifying Wax		9
Polawax™ NF	Emulsifying Wax NF	USP/NF	9
Super Refined™ Beeswax	Beeswax (White Wax) PhEur; Beeswax (White Wax) NF; Beeswax (White Wax) JPE	PhEur, USP/NF, JP/JPE	9
Suppository Bases			
Cithrol™ GMS 40	Glycerol Monostearate 40-55 PhEur	PhEur	20
Crodacol™ C70	Cetyl Alcohol		11
Crodacol™ C95	Cetyl Alcohol PhEur; Cetyl Alcohol NF	PhEur, USP/NF	11
Crodacol™ S95	Stearyl Alcohol PhEur; Stearyl Alcohol NF	PhEur, USP/NF	11
Crodamol™ GTCC	Triglycerides, Medium-Chain PhEur; Medium-Chain Triglycerides NF (Caprylic/Capric Triglycerides)	PhEur, USP/NF	6
Crodamol™ IPM	Isopropyl Myristate PhEur; Isopropyl Myristate NF; Isopropyl Myristate JPE	PhEur, USP/NF, JP/JPE	6
Estaram™ 299	Hard Fat PhEur; Hard Fat NF	PhEur, USP/NF	22
Estaram™ H15	Hard Fat PhEur; Hard Fat NF	PhEur, USP/NF	22
Estaram™ W35	Hard Fat PhEur; Hard Fat NF	PhEur, USP/NF	22
Span™ 80	Sorbitan Oleate PhEur; Sorbitan Monooleate NF	PhEur, USP/NF	18
Span™ 80 HP	Sorbitan Oleate PhEur; Sorbitan Monooleate NF	PhEur, USP/NF	18
Super Refined™ Beeswax	Beeswax (White Wax) PhEur; Beeswax (White Wax) NF; Beeswax (White Wax) JPE	PhEur, USP/NF, JP/JPE	9
Super Refined™ Crodamol IPM	Isopropyl Myristate PhEur; Isopropyl Myristate NF; Isopropyl Myristate JPE	PhEur, USP/NF, JP/JPE	8
Super Refined™ Etocas 35	Macrogolglycerol Ricinoleate PhEur; Polyoxyl 35 Castor Oil NF (PEG 35 Castor Oil)	PhEur, USP/NF	10
Super Refined™ PEG 400	Macrogols PhEur; Polyethylene Glycol NF; Macrogol 400 JP (Polyethylene Glycol 400)	PhEur, USP/NF, JP/JPE	14
Super Refined™ Polysorbate 20	Polysorbate 20 PhEur; Polysorbate 20 NF; Polysorbate 20 JPE	PhEur, USP/NF, JP/JPE	19
Super Refined™ Polysorbate 60	Polysorbate 60 PhEur; Polysorbate 60 NF; Polysorbate 60 JPE	PhEur, USP/NF, JP/JPE	19
Super Refined™ Polysorbate 80	Polysorbate 80 PhEur; Polysorbate 80 NF; Polysorbate 80 JP	PhEur, USP/NF, JP/JPE	19
Super Refined™ Sesame	Sesame Oil, Refined PhEur; Sesame Oil NF; Sesame Oil JP	PhEur, USP/NF, JP/JPE	4
Supoweiss™ S2	Hard Fat PhEur; Hard Fat NF	PhEur, USP/NF	22
Synperonic™ PE/F127	Poloxamers PhEur; Poloxamer NF (Poloxamer 407)	PhEur, USP/NF	23
Tween™ 20	Polysorbate 20 PhEur; Polysorbate 20 NF	PhEur, USP/NF	19
Tween™ 20 HP	Polysorbate 20 PhEur; Polysorbate 20 NF; Polysorbate 20 JPE	PhEur, USP/NF, JP/JPE	19
Tween™ 60	Polysorbate 60 PhEur; Polysorbate 60 NF	PhEur, USP/NF	19
Tween™ 60 HP	Polysorbate 60 PhEur; Polysorbate 60 NF	PhEur, USP/NF	19
Tween™ 80	Polysorbate 80 PhEur; Polysorbate 80 NF	PhEur, USP/NF	19
Tween™ 80 HP	Polysorbate 80 PhEur; Polysorbate 80 NF; Polysorbate 80 JP	PhEur, USP/NF, JP/JPE	19
Suspending Agents			
Byco™ A	Gelatin PhEur; Gelatin NF Mw 11000-14000 Da	PhEur, USP/NF	21
Byco™ C	Gelatin PhEur Mw 19000-30000 Da	PhEur	21
Byco™ M	Gelatin PhEur; Gelatin NF Mw 8000-30000 Da	PhEur, USP/NF	21
Byco™ O	Gelatin PhEur Mw 8000-11000 Da	PhEur	21
Crodacol™ C90	Cetyl Alcohol PhEur; Cetyl Alcohol NF	PhEur, USP/NF	11
Crodacol™ CS90	Cetostearyl Alcohol PhEur; Cetostearyl Alcohol NF	PhEur, USP/NF	11
Crodamol™ GTCC	Triglycerides, Medium-Chain PhEur; Medium-Chain Triglycerides NF (Caprylic/Capric Triglycerides)	PhEur, USP/NF	6

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Product	Chemical description	Monograph	Page
Suspending Agents (contd.)			
Renex™ PEG 4000	Macrogols PhEur; Polyethylene Glycol NF (Polyethylene Glycol 4000)	PhEur, USP/NF	14
Renex™ PEG 6000	Macrogols PhEur; Polyethylene Glycol NF (Polyethylene Glycol 6000)	PhEur, USP/NF	14
Renex™ PEG 10000	Polyethylene Glycol 10000		14
Super Refined™ Sesame	Sesame Oil, Refined PhEur; Sesame Oil NF; Sesame Oil JP	PhEur, USP/NF, JP/JPE	4
Tablet Aids			
Tablet Binders			
Byco™ A	Gelatin PhEur; Gelatin NF Mw 11000-14000 Da	PhEur, USP/NF	21
Byco™ C	Gelatin PhEur Mw 19000-30000 Da	PhEur	21
Byco™ M	Gelatin PhEur; Gelatin NF Mw 8000-30000 Da	PhEur, USP/NF	21
Byco™ O	Gelatin PhEur Mw 8000-11000 Da	PhEur	21
Renex™ PEG 4000	Macrogols PhEur; Polyethylene Glycol NF (Polyethylene Glycol 4000)	PhEur, USP/NF	14
Renex™ PEG 6000	Macrogols PhEur; Polyethylene Glycol NF (Polyethylene Glycol 6000)	PhEur, USP/NF	14
Renex™ PEG 10000	Polyethylene Glycol 10000		14
Super Refined™ Cottonseed	Cottonseed Oil NF	USP/NF	4
Synperonic™ PE/F127	Poloxamers PhEur; Poloxamer NF (Poloxamer 407)	PhEur, USP/NF	23
Synperonic™ PE/F68	Poloxamers PhEur; Poloxamer NF (Poloxamer 188)	PhEur, USP/NF	23
Tablet Coatings			
Super Refined™ Beeswax	Beeswax (White Wax) PhEur; Beeswax (White Wax) NF; Beeswax (White Wax) JPE	PhEur, USP/NF, JP/JPE	9
Synperonic™ PE/F68	Poloxamers PhEur; Poloxamer NF (Poloxamer 188)	PhEur, USP/NF	23
Tablet Fillers			
Crodamol™ GTCC	Triglycerides, Medium-Chain PhEur; Medium-Chain Triglycerides NF (Caprylic/Capric Triglycerides)	PhEur, USP/NF	6
Renex™ PEG 4000	Macrogols PhEur; Polyethylene Glycol NF (Polyethylene Glycol 4000)	PhEur, USP/NF	14
Renex™ PEG 6000	Macrogols PhEur; Polyethylene Glycol NF (Polyethylene Glycol 6000)	PhEur, USP/NF	14
Renex™ PEG 10000	Polyethylene Glycol 10000		14
Tablet Lubricants			
Cithrol™ GMS 40	Glycerol Monostearate 40-55 PhEur	PhEur	20
Crodamol™ GTCC	Triglycerides, Medium-Chain PhEur; Medium-Chain Triglycerides NF (Caprylic/Capric Triglycerides)	PhEur, USP/NF	6
Synperonic™ PE/F127	Poloxamers PhEur; Poloxamer NF (Poloxamer 407)	PhEur, USP/NF	23
Synperonic™ PE/F68	Poloxamers PhEur; Poloxamer NF (Poloxamer 188)	PhEur, USP/NF	23
Topical Delivery Enhancers			
Brij™ CS25	Macrogol Cetostearyl Ether PhEur, Polyoxyl 20 Cetostearyl Ether NF (PEG 25 Cetostearyl Ether)	PhEur, USP/NF	16
Brij™ L23	Macrogol Lauryl Ether PhEur, Polyoxyl Lauryl Ether NF (PEG 23 Lauryl Ether)	PhEur, USP/NF	16
Brij™ L9	Macrogol Lauryl Ether PhEur, Polyoxyl Lauryl Ether NF (PEG 9 Lauryl Ether)	PhEur, USP/NF	16
Brij™ O10	Macrogol Oleyl Ether PhEur, Polyoxyl 10 Oleyl Ether NF (PEG 10 Oleyl Ether)	PhEur, USP/NF	16
Brij™ O5	Macrogol Oleyl Ether PhEur (PEG 5 Oleyl Ether)	PhEur	16
Brij™ O20	Macrogol Oleyl Ether PhEur (PEG 20 Oleyl Ether)	PhEur	16
Brij™ S10	Macrogol Stearyl Ether PhEur (PEG 10 Stearyl Ether)	PhEur	17
Brij™ S2	Macrogol Stearyl Ether PhEur, Polyoxyl Stearyl Ether NF (PEG 2 Stearyl Ether)	PhEur, USP/NF	17
Brij™ S20	Macrogol Stearyl Ether PhEur, Polyoxyl Stearyl Ether NF (PEG 20 Stearyl Ether)	PhEur, USP/NF	17
Brij™ S721	PEG 21 Stearyl Ether		17
Cithrol™ GMO HP	Glyceryl Oleate		20
Crodafos™ CES	Cetearyl Alcohol (and) Dicapryl Phosphate (and) Ceteth-10 Phosphate		9
Crodamol™ CAP	Cetostearyl Ethylhexanoate (and) Isopropyl Myristate		6
Crodamol™ EO	Ethyl Oleate PhEur; Ethyl Oleate NF	PhEur, USP/NF	6
Crodamol™ IPM	Isopropyl Myristate PhEur; Isopropyl Myristate NF; Isopropyl Myristate JPE	PhEur, USP/NF, JP/JPE	6
Crodamol™ IPP	Isopropyl Palmitate PhEur	PhEur	6
Crodamol™ PC	Propylene Glycol Dicaprylocaprate PhEur; Propylene Glycol Dicaprylocaprate NF	PhEur, USP/NF	7
Novol™	Oleyl Alcohol NF	USP/NF	11
Super Refined™ Arlasolve DMI	Dimethyl Isosorbide		5
Super Refined™ Crodamol IPM	Isopropyl Myristate PhEur; Isopropyl Myristate NF; Isopropyl Myristate JPE	PhEur, USP/NF, JP/JPE	8
Super Refined™ Novol	Oleyl Alcohol NF	USP/NF	11
Super Refined™ Oleic Acid	Oleic Acid PhEur; Oleic Acid NF; Purified Oleic Acid JPE	PhEur, USP/NF, JP/JPE	5

Product	Chemical description	Monograph	Page
Wetting Agents			
Adinol™ CT95	Sodium Methyl Cocoyl Taurate		24
Aqualose™ L30	PEG 30 Lanolin		13
Brij™ CS25	Macrogol Cetostearyl Ether PhEur, Polyoxyl 20 Cetostearyl Ether NF (PEG 25 Cetostearyl Ether)	PhEur, USP/NF	16
Brij™ L23	Macrogol Lauryl Ether PhEur, Polyoxyl Lauryl Ether NF (PEG 23 Lauryl Ether)	PhEur, USP/NF	16
Brij™ L9	Macrogol Lauryl Ether PhEur, Polyoxyl Lauryl Ether NF (PEG 9 Lauryl Ether)	PhEur, USP/NF	16
Brij™ LT3	C12-13 Pareth-3		16
Brij™ LT4	C12-13 Pareth-4		16
Brij™ LT23	C12-13 Pareth-23		16
Brij™ O5	Macrogol Oleyl Ether PhEur (PEG 5 Oleyl Ether)	PhEur	16
Brij™ O10	Macrogol Oleyl Ether PhEur, Polyoxyl 10 Oleyl Ether NF (PEG 10 Oleyl Ether)	PhEur, USP/NF	16
Brij™ O20	Macrogol Oleyl Ether PhEur (PEG 20 Oleyl Ether)	PhEur	16
Brij™ S2	Macrogol Stearyl Ether PhEur, Polyoxyl Stearyl Ether NF (PEG 2 Stearyl Ether)	PhEur, USP/NF	17
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Arlatone™ TV	Macrogol 40 Sorbitol Heptaoleate PhEur (PEG 40 Sorbitan Peroleate)	20
Brij™ CS12	Macrogol Cetostearyl Ether PhEur (PEG 12 Cetostearyl Ether)	16
Brij™ CS20	Macrogol Cetostearyl Ether PhEur (PEG 20 Cetostearyl Ether)	16
Brij™ CS25	Macrogol Cetostearyl Ether PhEur; Polyoxyl 20 Cetostearyl Ether NF (PEG 25 Cetostearyl Ether)	16
Brij™ L4	Macrogol Lauryl Ether PhEur (PEG 4 Lauryl Ether)	16
Brij™ L9	Macrogol Lauryl Ether PhEur; Polyoxyl Lauryl Ether NF (PEG 9 Lauryl Ether)	16
Brij™ L23	Macrogol Lauryl Ether PhEur; Polyoxyl Lauryl Ether NF (PEG 23 Lauryl Ether)	16
Brij™ LT3	C12-13 Pareth-3	16
Brij™ LT4	C12-13 Pareth-4	16
Brij™ LT23	C12-13 Pareth-23	16
Brij™ O5	Macrogol Oleyl Ether PhEur (PEG 5 Oleyl Ether)	16
Brij™ O10	Macrogol Oleyl Ether PhEur; Polyoxyl 10 Oleyl Ether NF (PEG 10 Oleyl Ether)	16
Brij™ O20	Macrogol Oleyl Ether PhEur (PEG 20 Oleyl Ether)	16
Brij™ S2	Macrogol Stearyl Ether PhEur; Polyoxyl Stearyl Ether NF (PEG 2 Stearyl Ether)	17
Brij™ S10	Macrogol Stearyl Ether PhEur; Polyoxyl Stearyl Ether NF (PEG 10 Oleyl Ether)	17
Brij™ S20	Macrogol Stearyl Ether PhEur; Polyoxyl Stearyl Ether NF (PEG 20 Stearyl Ether)	17
Brij™ S721	PEG 21 Stearyl Ether	17
Byco™ A	Gelatin PhEur; Gelatin NF Mw 11000-14000 Da	21
Byco™ C	Gelatin PhEur Mw 19000-30000 Da	21
Byco™ M	Gelatin PhEur; Gelatin NF Mw 8000-30000 Da	21
Byco™ O	Gelatin PhEur Mw 8000-11000 Da	21
Cetomacrogol 1000	Macrogol Cetostearyl Ether PhEur; Polyoxyl 20 Cetostearyl Ether NF (PEG 20 Cetostearyl Ether)	17
Crodacol™ CS90	Cetostearyl Alcohol PhEur; Cetostearyl Alcohol NF	11
Cholesterol USP/NF	Cholesterol PhEur; Cholesterol NF; Cholesterol JP	13
Cithrol™ 4DL	PEG 8 Dilaurate	20
Cithrol™ DPHS	PEG 30 Dipolyhydroxystearate PhEur	20
Cithrol™ GMO HP	Glycerol Mono-oleates PhEur	20
Cithrol™ GMS 40	Glycerol Monostearate 40-55 PhEur	20
Cithrol™ MMO	Mannide Monooleate	20
Cithrol™ PG32IS	Triglycerol Diisostearate PhEur; Polyglyceryl-3 Diisostearate NF	20
Cithrol™ PG3PR	Polyglyceryl-3 Polyricinoleate	20
Cithrol™ S20BW	Polyoxyethylene (20) Sorbitol Beeswax Derivative	20
Crillet™ 1	Polysorbate 20 (Food Grade)	25
Crillet™ 3	Polysorbate 60 (Food Grade)	25
Crillet™ 35	Polysorbate 65 (Food Grade)	25
Crillet™ 4	Polysorbate 80 (Food Grade)	25
Crill™ 1	Sorbitan Laurate (Food Grade)	25
Crill™ 3	Sorbitan Stearate (Food Grade)	25
Crill™ 36 E	Sorbitan Tristearate (Food Grade)	25
Crill™ 4	Sorbitan Oleate (Food Grade)	25
Crill™ 41	Sorbitan Tristearate (Food Grade)	25
Crodabase™ SQ	Petrolatum-Polyethylene Blend	22
Crodacol™ C70	Cetyl Alcohol	11
Crodacol™ C90	Cetyl Alcohol PhEur; Cetyl Alcohol NF	11
Crodacol™ C95	Cetyl Alcohol PhEur; Cetyl Alcohol NF	11

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Crodacol™ CS50	Cetostearyl Alcohol PhEur; Cetostearyl Alcohol NF	11
Crodacol™ CS90	Cetostearyl Alcohol PhEur; Cetostearyl Alcohol NF	11
Crodacol™ S95	Stearyl Alcohol PhEur; Stearyl Alcohol NF	11
Crodafos™ CES	Cetearyl Alcohol (and) Dicapryl Phosphate (and) Ceteth-10 Phosphate	9
Crodalan™ LA	Cetyl Acetate (and) Stearyl Acetate (and) Oleyl Acetate (and) Acetylated Lanolin Alcohols	13
Crodamol™ AB	Alkyl (C12-15) Benzoate NF	6
Crodamol™ CAP	Cetostearyl Ethylhexanoate (and) Isopropyl Myristate	6
Crodamol™ CL	Cetyl Lactate	6
Crodamol™ CP	Cetyl Palmitate PhEur	6
Crodamol™ DA	Diisopropyl Adipate JPE	6
Crodamol™ EO	Ethyl Oleate PhEur; Ethyl Oleate NF	6
Crodamol™ GTCC	Triglycerides, Medium-Chain PhEur; Medium-Chain Triglycerides NF (Caprylic/Capric Triglycerides)	6
Crodamol™ GTEH	Triethylhexanoin	6
Crodamol™ ICS	Isocetyl Stearate	6
Crodamol™ IPM	Isopropyl Myristate PhEur; Isopropyl Myristate NF; Isopropyl Myristate JPE	6
Crodamol™ IPP	Isopropyl Palmitate PhEur	6
Crodamol™ IPIS	Isopropyl Isostearate	7
Crodamol™ ISIS	Isostearyl Isostearate	7
Crodamol™ ML	Myristyl Lactate	7
Crodamol™ MM	Myristyl Myristate JPE	7
Crodamol™ OHS	Ethylhexyl Hydroxystearate	7
Crodamol™ OP	Ethylhexyl Palmitate	7
Crodamol™ OPG	Ethylhexyl Pelargonate	7
Crodamol™ OS	Ethylhexyl Stearate	7
Crodamol™ PC	Propylene Glycol Dicaprylocaprate PhEur; Propylene Glycol Dicaprylocaprate NF	7
Crodamol™ PMP	PPG 2 Myristyl Ether Propionate	7
Crodamol™ PTC	Pentaerythrityl Tetracaprylate/Caprate	7
Crodamol™ PTIS	Pentaerythrityl Tetraisostearate	7
Crodamol™ SS	Cetyl Palmitate PhEur; Cetyl Esters Wax NF	7
Crodamol™ STS	PPG 3 Benzyl Ether Myristate	8
Crodamol™ W	Stearyl Heptanoate (and) Stearyl Caprylate	8
Crodasinic™ LS30	Sodium Lauroyl Sarcosinate	24
Crodasinic™ LS95	Sodium Lauroyl Sarcosinate	24
Crodasol™ HS HP	Macrogol 15 Hydroxystearate PhEur (PEG 660 12-Hydroxystearate); Polyoxyl 15 Hydroxystearate NF	21
Crodateric™ CAB 30	Cocamidopropyl Betaine	24
Crodex™ A	Cetostearyl Alcohol [Type B], Emulsifying PhEur	9
Crodex™ M	Cetearyl Alcohol (and) Potassium Cetyl Phosphate	9
Crodex™ N	Cetomacrogol Emulsifying Wax	9
Croduret™ 40	Macrogolglycerol Hydroxystearate PhEur; Polyoxyl 40 Hydrogenated Castor Oil NF (PEG 40 Hydrogenated Castor Oil)	10
Croduret™ 50	Macrogolglycerol Hydroxystearate PhEur; Polyoxyl 40 Hydrogenated Castor Oil NF (PEG 40-45 Hydrogenated Castor Oil)	10
Croduret™ 60	Macrogolglycerol Hydroxystearate PhEur (PEG 60 Hydrogenated Castor Oil)	10
Croduret™ 7	Macrogolglycerol Hydroxystearate PhEur (PEG 7 Hydrogenated Castor Oil)	10
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Croquat™ L	Lauryldimonium Hydroxypropyl Hydrolysed Collagen Protein	21
Crothix™	PEG 150 Pentaerythrityl Tetrastearate	21
Crothix™ Liquid	PEG 150 Pentaerythrityl Tetrastearate (and) PEG 6 Caprylic/Capric Glycerides (and) Aqua	21
Crovol™ A40	PEG 20 Almond Glycerides	10
Crovol™ A70	PEG 60 Almond Glycerides	10
Crovol™ M70	PEG 60 Corn Glycerides	10
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Span™ 80	Sorbitan Oleate PhEur; Sorbitan Monooleate NF	18
Span™ 80 HP	Sorbitan Oleate PhEur; Sorbitan Monooleate NF	18
Span™ 83	Sorbitan Sesquioleate PhEur; Sorbitan Sesquioleate NF	18
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Europe, Middle East, Africa

Tel: +44 (0)1405 860551 Fax: +44 (0)1405 861767
hc-europe@croda.com

North America

Tel: +1 732 417 0800 Fax: +1 732 417 0804
marketing-usa@croda.com

Latin America

Tel: +55 (0)19 37653500 Fax: +55 (0)19 37653536
marketingla@croda.com

Asia Pacific

Tel: +65 65519600 Fax: +65 65519550
hc-asia@croda.com

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