

Pharmaceutical Ophthalmic



Inactive Ingredient	UNII Code	Product Name	Appearance	HLB	Monograph	Dosage Route	Max Potency	Product Description
Castor Oil	D5340Y2I9G	Super Refined™ Castor Oil	Liquid	14.0*	USP, JP	OE	5.00%	Highly purified castor oil, used as an emulsifying and solubilising agent
Cetyl Alcohol	936JST6JCN	Crodacol™ C95 Crodacol™ C70	Solid Pastille		NF, PhEur JP	OSUS	0.50%	Natural, saturated fatty alcohol that acts as an emulsion thickener and stabiliser
Cholesterol	97C5T2UQ7J	Cholesterol USP/NF	Solid		NF, PhEur, JP	OP-SU	None Listed	Excellent moisturiser, emulsifier and conditioner
PEG-15 Hydroxystearates (PEG 660 12-Hydroxystearate)	71YMM1X750	Crodasol™ HS HP	Solid		PhEur	OE	44MG/ML	A high purity nonionic surfactant which provides excellent solubilisation properties
Glyceryl Monostearate	2300U9XXE4	Cithro™ GMS 40	Solid	3.4	NF	OSUS	0.50%	Nonionic, O/W and W/O emulsifier and emulsion stabilizer dispersant and emollient. Forms sustained release matrices.
Lanolin Alcohol	884C3FA9HE	Super Hartolan™	Pastille		NF, PhEur	OO	10.00%	Powerful emulsifier and emulsion stabiliser
Modified Lanolin	7EV65EAW6H	Medilan™ Pharmalan™ USP Medilan™ Ultra	Soft Solid Soft Solid Soft Solid		USP, PhEur USP USP	OP	3.00%	Purified medical grade lanolin that serves as a long lasting emollient and moisturiser with exceptional aesthetic properties
Petrolatum	4T6H12BN9U	Crolatum™ V	Solid		USP, PhEur, JP	OO	100.00%	Versatile, high-performance petrolatum with improved stability against oil-water separation and excellent oxidative stability.
Poloxamer 188	LQA7B6G8JG	Synperonic™ PE/F 68	Solid		NF, PhEur	OSOL	0.10%	Effective solubiliser and O/W emulsifier
Poloxamer 407	TUF2IWW3M2	Synperonic™ PE/F 127	Solid		*****	OSOL OSUS-DP OSUS-DP	0.20% 0.10%	Solubiliser used in contact solutions and eyedrops
Polyethylene Glycol 300	5655G9Y8AQ	Super Refined™ PEG 300	Liquid		NF, PhEur, JPE	OO OSOL	None Listed None Listed	High purity solvent and suspending agent
Polyethylene Glycol 400	B697894SGQ	Super Refined™ PEG 400	Liquid		NF, PhEur, JP	OO	5.00%	Highly purified PEG 400 that enhances active and formulation stability
Polyoxyl 40 Hydrogenated Castor Oil	7YC686GQ8F	Croduret™ 40	Liquid	13.0	NF, PhEur	OSOL OS-DR	0.50% 0.53%	Nonionic surfactant, emollient and stabiliser.
Polyoxyl 40 Stearate	13A4J4NH9I	Myrj™ S40	Solid	16.7	NF, PhEur	OO OSOL OSUS	None Listed 7% 0.50%	Nonionic, versatile O/W emulsifier giving systems optimum stability
Polysorbate 20	7T1F30V5YH	Tween™ 20 Tween™ 20 HP Super Refined™ Polysorbate 20	Liquid Liquid Liquid	16.7	NF, PhEur, JPE NF, PhEur, JPE NF, PhEur, JPE	OSUS OSUS OSUS-DP	0.05% None Listed	O/W emulsifer, solubiliser, wetting and dispersing agent

*Required HLB

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Polysorbate 60	CAL22UVI4M	Tween™ 60	Liquid	14.9	NF, PhEur	OO	15.00%	O/W emulsifier used in combination with other surfactants to achieve desired HLB value. Also a very effective solubiliser
		Tween™ 60 HP	Liquid		NF, PhEur			
		Super Refined™ Polysorbate 60	Liquid		NF, PhEur, JPE			
Polysorbate 80	6OZP39ZG8H	Tween™ 80	Liquid	15.0	NF, PhEur	OD	0.10%	Low moisture, low peroxide, O/W emulsifier, solubiliser and wetting agent. Recommended when formulating with highly sensitive APIs
		Tween™ 80 HP	Liquid		NF, PhEur, JP	OE	4.00%	
		Super Refined™ Polysorbate 80	Liquid		NF, PhEur, JP	OSOL	0.20-2.50%	
					OS-DR	1.00%		
					OS-GE	0.05%		
		OSUS	0.10%					
		OSUS-DP	0.10%					
Propylene Glycol	6DC9Q167V3	Super Refined™ Propylene Glycol	Liquid	11.6*	USP, JP	OG	0.44%	Highly purified propylene glycol ideal for use as a solvent and preservative. Dissolves a wide variety of materials and useful as an antiseptic
						OSOL	1.00%	
						OS-DR	0.75%	
						OSUS	5.00%	
						OSUS-DP	1.00%	
Sorbitan Monolaurate	6W9PS8B71J	Span™ 20	Liquid	8.6	NF, PhEur NF, PhEur, JPE	OO	None Listed	Dispersible, mild O/W co-emulsifier
		Span™ 20 HP						

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Key	Route / Dosage Form
OD	OPHTHALMIC, DROPS
OE	OPHTHALMIC, EMULSION
OG	OPHTHALMIC, GEL
OO	OPHTHALMIC, OINTMENT
OP-SO	OPHTHALMIC POWDER, SOLUTION
OP-SU	OPHTHALMIC POWDER, SUSPENSION

Key	Route / Dosage Form
OSOL	OPHTHALMIC, SOLUTION
OS-DR	OPHTHALMIC, DROPS
OS-GE	OPHTHALMIC SOLUTION, GEL FORMING, EXTENDED RELEASE
OS-IR	OPHTHALMIC SOLUTION, IRRIGATION
OSUP	OPHTHALMIC SUPPOSITORY, INSERT, CONTROLLED RELEASE
OSUS-DP	OPHTHALMIC SUSPENSION, DROPS

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