

# Pharmaceutical Excipients – Guide to Application



		Solid Dosage Forms: Tablets and Pellets																	Capsules	ASD*	Liquid and others								
		Tablet Coating	Pellet Coating	Taste Masking	Enteric/Delayed Release Coating (solvent)	Enteric/Delayed Release Coating (aqueous dispersion) and dry	Enteric/Delayed Release Coating (aqueous solution) <sup>2</sup>	Sugar Coating Binder	Sustained Release (Matrix Tablets)	Anti-capping	Dissolution improvement (WG)	Disintegration improvement for WG	Binding for WG	Disintegration improvement for WG	Binding for DC	Binding improvement for DC	Pellet extrusion	Dissolution improvement for DC	ODT	Capsule Shell	Dispersing Aid for drug layer	Solvent Free methods (HME)	Solvent Free methods (HME)	Thickening	Eye Drops <sup>3</sup>	Suspending	Dry Syrup	Plaster/ Dermal Patch	Oral Films
<b>PHARMACOAT® TYLOPUR® LV</b>	603	○	○					●													●				●				
	645	○	○	○				○											●		●	●				○			○
	605 <sup>4</sup>	●	○	●				○											●		○	○				○			●
	606	●	○	●				○											●		○	○				○			●
	615	○		●															○							○			○
	SB-4					●																							○
<b>METOLOSE®</b>	SM-4		●	●																									○
	Other SM's																						●		●	○			○
	60SH's							○															●	○	○				●
	65SH's							○															○		○				○
	90SH's							○															○		○				○
<b>METOLOSE® SR TYLOPUR® SR</b>	All Grades							●																				○	
<b>HPMCP</b>	All Grades			●	●																	○	●						
<b>Shin-Etsu AQOAT® HPMCAS</b>	F Grades			○		●																							
	MP Grades																					●							
	G Grades			●	●		●															○	●						
<b>L-HPC</b>	LH-11							●			●										○								
	LH-21, 22							○	○		○			○															
	LH-B1								●	●		○									●								
	LH-31, 32										○		○	○	●	○	○												
	NBD-020							○			●	●	●		●	○					○								
	NBD-021										○	○	●	●															
NBD-022										○	●	●	●																
<b>SmartEx®</b>	Plus																		●										

● very suitable  
○ suitable

\* Amorphous Solid Dispersion

<sup>1</sup> Shin-Etsu AQOAT® is dispersed in the coating dispersion and not dissolved (aqueous dispersion and partly neutralized methods).

<sup>2</sup> Shin-Etsu AQOAT® is dissolved in the aqueous coating solution (full neutralized method).

<sup>3</sup> Eye drops: This application may require specialized properties. Please contact our sales department for assistance. Bulk drug GMP is not applicable.

<sup>4</sup> Only available as Tylopur.

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All the information and data in this guide are accurate and reliable to the best of our knowledge, but they are intended only to provide recommendations or suggestions without guarantee or warranty. All of our products are sold on the understanding that buyers themselves will test our products to determine their suitability for particular applications. Buyers should also ensure that use of any product according to these data, recommendations, or suggestions does not infringe any patent, as Shin-Etsu will not accept liability for such infringement. Any warranty of merchantability or fitness for a particular purpose is hereby disclaimed.