

三、 Emulsifier and surfactant

Effective	Main products and short introduction	supplier
Oil in water emulsifier (OW)	Sympatens-O/100G — steareth-21, HLB=15.5 Sympatens-AS/020G — steareth-2, usually used with steareth-21, HLB=4.9 Sympatens-ACS/200G — steareth-20, HLB=15.4 Sympatens-O/120G — selfemulsifier GMS, Glyceryl stearate & PEG-100 stearate, HLB=11.0 Sympatens-ALM/230G — Laureth-23, HLB=16.7 Sympatens-O/200G — Glyceryl & PEG-30 stearate, HLB=8.5 Etc.	Kolb
PEG free OW emulsifier	Sympatens-O/2500G — Sorbitan stearate & Methyl glucose sesquistearate, HLB=6.0 Sympatens-O/4200 — sorbitan laurate & polyglyceryl-10 laurate, HLB=9.6	Kolb
W/O emulsifier	Sympatens-W/130 — Sorbitan monooleate & hydrogen castor oil & beeswax & stearic acid, HLB=4.5 Sympatens-TRH/070 — PEG-7 Hydrogenated castor oil, HLB=5.0	Kolb
Solubilizer	Sympatens-TRH/400 — PEG-40 Hydrogenated castor oil, HLB=14.0 Kotilen-L/1 — Polysorbate 20, HLB=16.7(Tween 20) Sympatens-S/160 — Tween 20&PEG-25 hydrogenated castor oil & propylene glycol, HLB=14.0	Kolb