

Emulsifiers with HLB Values

HLB values sorted by HLB from lowest to highest:

Glycol Distearate HLB = 1
Sorbitan Trioleate HLB = 1.8
Propylene Glycol Isostearate HLB = 2.5
Glycol Stearate HLB = 2.9
Sorbitan Sesquioleate HLB = 3.7
Glyceryl Stearate HLB = 3.8
Lecithin HLB = 4
Sorbitan Oleate HLB = 4.3
Sorbitan Monostearate NF HLB = 4.7
Sorbitan Stearate HLB = 4.7
Sorbitan Isostearate HLB = 4.7
Steareth-2 HLB = 4.9
Oleth-2 HLB = 4.9
Glyceryl Laurate HLB = 5.2
Ceteth-2 HLB = 5.3
PEG-30 Dipolyhydroxystearate HLB = 5.5
Glyceryl Stearate SE HLB = 5.8
Sorbitan Stearate (and) Sucrose Cocoate HLB = 6
PEG-4 Dilaurate HLB = 6
Methyl Glucose Sesquisteate HLB = 6.6
Lecithin HLB (variable)
PEG-8 Dioleate HLB = 8
Sorbitan Laurate HLB = 8.6
PEG-40 Sorbitan Peroleate HLB = 9
Laureth-4 HLB = 9.7
PEG-7 Glyceryl Cocoate HLB=10
PEG-20 Almond Glycerides HLB = 10
PEG-25 Hydrogenated Castor Oil HLB = 10.8
Stearamide MEA HLB = 11
Glyceryl Stearate (and) PEG-100 Stearate HLB = 11
Polysorbate 85 HLB = 11
PEG-7 Oliviate HLB = 11
Cetearyl Glucoside HLB = 11
PEG-8 Oleate HLB = 11.6
Polyglyceryl-3 Methyglucose Distearate = 12
Oleth-10 HLB = 12.4
Oleth-10 / Polyoxyl 10 Oleyl Ether NF HLB = 12.4
Ceteth-10 HLB = 12.9
PEG-8 Laurate HLB = 13
Cocamide MEA HLB = 13.5
Polysorbate 60 NF HLB = 14.9
Polysorbate 60 HLB = 14.9
Polysorbate 80 HLB = 15
Isosteareth-20 HLB = 15
PEG-60 Almond Glycerides HLB = 15
Polysorbate 80 NF[HLB = 15
PEG-20 Methyl Glucose Sesquisteate HLB = 15
Ceteareth-20 HLB = 15.2
Oleth-20 HLB = 15.3
Steareth-20 HLB = 15.3
Steareth-21 HLB = 15.5
Ceteth-20 HLB = 15.7

Isoceteth-20 HLB = 15.7
Polysorbate 20 HLB = 16.7
Polysorbate 20 NF HLB = 16.7
Laureth-23 HLB = 16.9
PEG-100 Stearate HLB = 18.8
Steareth-100 HLB = 18.8
PEG-80 Sorbitan Laurate HLB = 19.1

HLB values sorted by INCI name:

Ceteareth-20 HLB = 15.2
Cetearyl Glucoside HLB = 11
Ceteth-10 HLB = 12.9
Ceteth-2 HLB = 5.3
Ceteth-20 HLB = 15.7
Cocamide MEA HLB = 13.5
Glyceryl Laurate HLB = 5.2
Glyceryl Stearate (and) PEG-100 Stearate HLB = 11
Glyceryl Stearate HLB = 3.8
Glyceryl Stearate SE [HLB = 5.8
Glycol Distearate HLB = 1
Glycol Stearate HLB = 2.9
Isoceteth-20 HLB = 15.7
Isosteareth-20 HLB = 15
Laureth-23 [HLB = 16.9
Laureth-4 [HLB = 9.7
Lecithin HLB = 4
Lecithin HLB = 7
Lecithin HLB = 9
Methyl Glucose Sesquistearate HLB = 6.6
Oleth-10 / Polyoxyl 10 Oleyl Ether NF HLB = 12.4
Oleth-10 HLB = 12.4
Oleth-2 HLB = 4.9
Oleth-20 HLB = 15.3
PEG-100 Stearate HLB = 18.8
PEG-20 Almond Glycerides HLB = 10
PEG-20 Methyl Glucose Sesquistearate HLB = 15
PEG-25 Hydrogenated Castor Oil HLB = 10.8
PEG-30 Dipolyhydroxystearate HLB = 5.5
PEG-4 Dilaurate HLB = 6
PEG-40 Sorbitan Peroleate HLB = 9
PEG-60 Almond Glycerides HLB = 15
PEG-7 Oliviate HLB = 11
PEG-7 Glyceryl Cocoate HLB=10
PEG-8 Dioleate HLB = 8
PEG-8 Laurate HLB = 13
PEG-8 Oleate HLB = 11.6
PEG-80 Sorbitan Laurate HLB = 19.1
Polysorbate 20 HLB = 16.7
Polysorbate 20 NF HLB = 16.7
Polysorbate 60 HLB = 14.9
Polysorbate 60 NF HLB = 14.9
Polysorbate 80 HLB = 15
Polysorbate 80 NF HLB = 15
Polysorbate 85 HLB = 11
Propylene Glycol Isostearate HLB = 2.5
Sorbitan Isostearate HLB = 4.7

Sorbitan Laurate HLB = 8.6
Sorbitan Monostearate NF HLB = 4.7
Sorbitan Oleate HLB = 4.3
Sorbitan Sesquioleate HLB = 3.7
Sorbitan Stearate (and) Sucrose Cocoate HLB = 6
Sorbitan Stearate HLB = 4.7
Sorbitan Trioleate HLB = 1.8
Stearamide MEA HLB = 11
Steareth-100 HLB = 18.8
Steareth-2 HLB = 4.9
Steareth-20 HLB = 15.3
Steareth-21 HLB = 15.5