

### **Required HLB for Oils/Lipids**

Almond Oil required HLB = 6  
Anhydrous Lanolin USP required HLB = 10  
Apricot Kernel Oil required HLB = 7  
Avocado (*Persea Gratissima*) Oil required HLB = 7  
Babassu Oil required HLB = 8  
Beeswax required HLB = 12  
Borage (*Borago Officinalis*) Seed Oil required HLB = 7  
Brazil Nut Oil required HLB = 8  
C12-15 Alkyl Benzoate required HLB = 13  
Canola Oil (and) Fragrance required HLB = 7  
Canola Oil required HLB = 7  
Caprylic/Capric Triglyceride required HLB = 11  
Carnauba (*Copernicia Cerifera*) Wax required HLB = 12  
Carrot (*Daucus Carota Sativa*) Root Extract required HLB = 6  
Carrot (*Daucus Carota Sativa*) Seed Oil required HLB = 6  
Castor (*Ricinus Communis*) Oil required HLB = 14  
Ceresin required HLB = 8  
Cetearyl Alcohol required HLB = 15.5  
Cetyl Alcohol required HLB = 15.5  
Cetyl Esters required HLB = 10  
Cetyl Esters Wax NF required HLB = 10  
Cetyl Palmitate required HLB = 10  
Cocoa (*Theobroma Cacao*) Butter required HLB = 6  
Coconut (*Cocos Nucifera*) Oil required HLB = 8  
Cyclomethicone required HLB = 7.5  
Diisopropyl Adipate required HLB = 9  
Dimethicone required HLB = 5  
Dog Rose (*Rosa Canina*) Hips Oil required HLB = 7  
Emu Oil required HLB = 8  
Evening Primrose (*Oenothera Biennis*) Oil required HLB = 7  
Garcinia Indica Seed Butter required HLB = 8  
Generic Essential Oil required HLB = 8  
Grape (*Vitis Vinifera*) Seed Oil required HLB = 7  
Hemp (*Cannabis Sativa*) Seed Oil required HLB = 7  
Hybrid Safflower (*Carthamus Tinctorius*) Oil required HLB = 9  
Hydrogenated Vegetable Oil required HLB = approx. 3-5  
Isopropyl Myristate required HLB = 11.5  
Isopropyl Palmitate required HLB = 11.5  
Jojoba (*Buxus Chinensis*) Oil required HLB = 6  
Kukui Nut (*Aleurites Moluccana* Seed) Oil required HLB = 7  
Lanolin required HLB = 10  
Lanolin USP required HLB = 10  
Macadamia (*Macadamia Ternifolia*) Nut Oil required HLB = 7  
Mango (*Mangifera Indica*) Seed Butter required HLB = 8  
Mango (*Mangifera Indica*) Seed Oil required HLB = 7

Mineral Oil [required HLB = 10  
Mineral Oil NF [required HLB = 10  
Myristyl Myristate [required HLB = 8  
Olive (*Olea Europaea*) Oil [required HLB = 7  
Peanut Oil NF [required HLB = 6  
Petrolatum [required HLB = 7  
Petrolatum USP [required HLB = 7  
PPG-15 Stearyl Ether [required HLB = 7  
Retinyl Palmitate [required HLB = 6  
Rice (*Oryza Sativa*) Bran Oil [required HLB = 7  
Rosmarinus Officinalis (Rosemary) Leaf Extract [required HLB = 7  
Safflower (*Carthamus Tinctorius*) Oil [required HLB = 8  
Sesame (*Sesamum Indicum*) Oil [required HLB = 7  
Sesame Oil NF [required HLB = 7  
Shea Butter (*Butyrospermum Parkii*) [required HLB = 8  
Soybean (*Glycine Soja*) Oil [required HLB = 7  
Soybean Oil [required HLB = 7  
Stearic Acid [required HLB = 15  
Stearyl Alcohol [required HLB = 15.5  
Sunflower (*Helianthus Annuus*) Seed Oil [required HLB = 7  
Sweet Almond (*Prunus Amygdalus Dulcis*) Oil [required HLB = 7  
Tocopherol [required HLB = 6  
Wheat Germ (*Triticum Vulgare*) Oil [required HLB = 7