

SCALE OF COMEDOGENIC & IRRITANT POTENTIAL OF COSMETIC INGREDIENTS OF GRADED FROM 0 (LEAST) TO 5 (MOST)

| Ingredients | Grade (0-5) | | Ingredients | Grade (0-5) | |
|------------------------|-------------|----------|---|-------------|----------|
| | Comedo. † | Irrit. ‡ | | Comedo. † | Irrit. ‡ |
| Coconut butter | 4 | 0 | X. Vitamins and herbs | | |
| Sesame oil | 2 | 0 | Tocopherol* | 2 | 2 |
| Corn oil | 2 | 0 | Tocopheryl acetate | 0 | 0 |
| Avocado oil | 2 | 0 | Black walnut extract | 0 | 0 |
| Evening primrose oil | 2 | 2 | Chamomile extract | 0 | 0 |
| Mink oil | 3 | 1 | Vitamin A palmitate | 2 | 1 |
| Soybean oil | 3 | 0 | Panthenol | 0 | 0 |
| Shark liver oil | 3 | 2 | XI. Preservatives and additives | | |
| Apricot kernel oil | 2 | 0 | Methyl paraben | 0 | 0 |
| Castor oil | 1 | 0 | Propyl paraben | 0 | 0 |
| Squalane | 1 | 0 | Allantoin | 0 | 0 |
| Safflower oil | 0 | 0 | Hydantoin | 0 | 0 |
| Sunflower oil | 0 | 0 | Sodium hyaluronate | 0 | 0 |
| Mineral oil | 0 | 0 | XII. Miscellaneous | | |
| VII. Pigments | | | Octyl dimethyl PABA | 0 | 0 |
| D&C red #6 | 1 | 0 | Oxybenzone | 0 | 0 |
| D&C red #9 | 1 | 0 | Octyl methoxycinnamate | 0 | 0 |
| D&C red #19 | 2 | 0 | Octyl salicylate | 0 | 0 |
| D&C red #27 | 2 | 0 | Lithium stearate | 1 | 0 |
| D&C red #30 | 3 | 0 | Magnesium stearate | 1 | 0 |
| Ultramarine violet | 0 | 0 | Zinc oxide | 1 | 0 |
| Iron oxides | 0 | 0 | Zinc stearate | 0 | 0 |
| Carmines | 0 | 0 | Triethanolamine | 2 | 0 |
| Titanium dioxide | 0 | 0 | Stearic acid: TEA | 3 | 2 |
| VIII. Silicones | | | Sodium PCA | 0 | 0 |
| Simethicone | 1 | 0 | Hydrolyzed animal protein | 0 | 0 |
| Dimethicone | 1 | 0 | | | |
| Cyclomethicone | 0 | 0 | | | |
| IX. Sterols | | | † Comedogenicity or ability of test substance to produce follicular hyperkeratosis. | | |
| Cholesterol | 0 | 0 | ‡ Irritancy or ability to test substance to produce surface epithelial irritation. | | |
| Soya sterol | 0 | 0 | * Results depend on source of raw material. | | |
| Peg 5 soya sterol | 0 | 0 | | | |
| Peg 10 soya sterol | 0 | 1 | | | |
| Choleth 24 | 0 | 0 | | | |
| Sterol esters | 0 | 0 | | | |

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| | Comedo. † | Irrit. ‡ | | Comedo. † | Irrit. ‡ |
| I. Lanolins and derivatives | | | | | |
| Acetylated lanolin | 4 | 0 | Sorbitol | 0 | 0 |
| Acetylated lanolin alcohol | 4 | 2 | Sorbitan laureate | 1 | 1 |
| Anhydrous lanolin | 0-1 | | Sorbitan sesquinoleate | 0 | 0 |
| Lanolin alcohol | 0-2 | 2 | Sorbitan stearate | 0 | 1 |
| PEG 16 lanolin (Solulan 16) | 4 | 3 | Polysorbate 20 | 0 | 0 |
| PEG 75 lanolin | 0 | 0 | Polysorbate 80 | 0 | 0 |
| | | | Glycerin | 0 | 0 |
| II. Fatty acids and their derivatives | | | Glyceryl stearate NSE | 1 | 0 |
| Lauric acid | 4 | 1 | Glyceryl stearate SE | 3 | 2 |
| Myristic acid | 3 | 0 | Pentaerythritol tetra capra/ caprylate | 0 | 0 |
| Palmitic acid | 2 | 0 | Wheat germ glyceride | 3 | 2 |
| Stearic acid | 2 | 0 | Polyethylene glycol | 1 | 0 |
| Behenic acid | 0 | 0 | PEG 20 stearate | 1 | 0 |
| Ascorbyl palmitate | 2 | 0 | Laureth-4 | 5 | 4 |
| Butyl stearate | 3 | 0 | Laureth-23 | 3 | 0 |
| Decyl oleate | 3 | 0 | Oleth-3 | 5 | 2 |
| Diisopropyl adipate | 0 | 0 | Oleth-10 | 2 | 1 |
| Isopropyl isostearate | 5 | 0 | PPG 30 acetyl ester | 0 | 0 |
| Isopropyl myristate | 5 | 3 | PEG 40 castor oil | 0 | 0 |
| Isopropyl palmitate | 4 | 1 | | | |
| Isostearyl neopentanoate | 3 | 3 | IV. Waxes | | |
| Isostearyl isostearate | 4 | 1 | Candelilla wax | 1 | 0 |
| Myristyl lactate | 4 | 2 | Carnuba wax | 1 | 0 |
| Myristyl myristate | 5 | 2 | Beeswax | 0-2 | 0 |
| Octyldodecyl stearate | 0 | 0 | Lanolin wax | 1 | 0 |
| Stearyl heptanoate | 4 | 0 | Jojoba oil | 0-2 | 0 |
| Tridecyl neopentanoate | 0 | 3 | Emulsifying wax NF | 0-2 | 0-2 |
| | | | | | |
| III. Alcohols, sugars and their derivatives | | | V. Thickeners | | |
| SD Alcohol 40 | 0 | 0 | Carboxymethylcellulose | 0 | 0 |
| Isopropyl alcohol | 0 | 0 | Hydroxypropylcellulose | 1 | 0 |
| Cetyl alcohol | 2 | 2 | Magnesium aluminum silicate | 0 | 0 |
| Cetearyl alcohol | 2 | 1 | Carbomer 940 | 1 | 0 |
| Stearyl alcohol | 2 | 2 | Bentonite | 0 | 0 |
| Cetearyl alcohol + cetareth 20 | 4 | 1 | Kaolin | 0 | 0 |
| Propylene glycol | 0 | 0 | Talc | 1 | 0 |
| PG dicaprylate/caprates | 1 | 0 | | | |
| PG dipelargonate | 2 | 2 | VI. Oils* | | |
| | | | Cocoa butter | 4 | 0 |

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