

## TOPICAL THERAPY INGREDIENTS

### Chlorhexidine

Antibacterial Antifungal Antiviral

Mild shampoo with excellent antimicrobial activity

### Chlorhexidine–miconazole combinations

Antifungal Antibacterial

Superior antifungal efficacy compared with single-ingredient products

### Chlorhexidineketoconazole combinations

Antifungal Antibacterial

Superior antifungal efficacy compared with single-ingredient products

### Ketoconazole

Antifungal

Mild shampoo with good antifungal activity

### Miconazole

Antifungal

Mild shampoo with good antifungal activity

### Sodium salicylate Zinc gluconate Pyridoxine

Antiseborrheic Antimicrobial

Good antiseborrheic shampoo without the adverse effects of tar

GREEN = GOOD-HELPFUL

### Hydrocortisone

Anti-inflammatory Antipruritic

Mild shampoo with good antipruritic activity

Immunosuppression Cutaneous atrophy

### Oatmeal

Decreases prostaglandins Antipruritic Soothing

Mild shampoo with moderate antipruritic activity

### Humectants Propylene glycol Urea Lactic acid Glycerin

Moisturizers

Hygroscopic agents that actively pull water into the skin

### Emollients Oils Lanolin Paraffin Waxes

Moisturizers

Occlusive agents that decrease transepidermal water loss.

**Triclosan**

**Antibacterial**

**Moderately effective antibacterial ingredient added to shampoos**

**Ethyl lactate**

**Antibacterial Decreases skin pH Degreasing Comedolytic**

**Mild degreasing, antiseborrheic shampoo with good antibacterial activity Good for dry, scaling seborrhea**

**Povidone-iodine**

**Antibacterial Antifungal Antiviral**

**Mild shampoo with excellent antimicrobial activity but limited duration of effect**

**Short duration of effect Staining May irritate skin Thyroid dysfunction Metabolic acidosis**

**Phytosphingosine**

**Antimicrobial Antiseborrheic**

**YELLOW = OK INGREDIENTS**

**Mild shampoo**

**Diphenhydramine**

**Antipruritic**

**Mild shampoo with moderate antipruritic activity**

**Contact sensitivity**

**Pramoxine**

**Antipruritic**

**Mild shampoo with good antipruritic activity**

**L-rhamnose Simple saccharides**

**Antiallergic Antiseborrheic**

**Mild shampoo that helps prevent allergen penetration**

**Aloe vera**

**Anti-inflammatory Antibacterial**

**Added to many products for mild antiinflammatory effects**

### **Benzoyl peroxide**

**Antibacterial Follicular flushing Degreasing Keratolytic**

**Potent degreasing, follicular flushing shampoo with excellent antibacterial effects Mildly antiseborrheic Good for crusting and oily seborrheic disorders**

**Drying May irritate skin May bleach fabrics**

### **Acetic acid Boric acid**

**Antimicrobial Decreases skin pH**

**Good therapy for Malassezia dermatitis**

**May be irritating**

### **Lactoferrin Lactoperoxidase Zinc gluconate Lysozymes Potassium iodide**

**Antimicrobial**

**Mild shampoo with antimicrobial effects**

**May be irritating**

**RED = HARSH + DRYING + IRRITATING**

### **Tar**

**Keratolytic Keratoplastic Degreasing Antipruritic Vasoactive Antiseborrheic**

**Potent degreasing and antiseborrheic shampoo Good for severe oily seborrheic disorders**

**Toxic to cats Drying May irritate skin Staining Photosensitization Carcinogenic**

### **Selenium sulfide**

**Keratolytic Keratoplastic Degreasing Antiseborrheic**

**Potent degreasing shampoo with good antiseborrheic activity Good for oily seborrheic disorders Moderate activity against yeast**

**Drying May irritate skin Not for cats**

### **Menthol**

**Antipruritic**

**Added to products to decrease pruritus**

**May be irritating**

### **Melaleuca oil Tea tree oil**

**Anti-inflammatory Antimicrobial**

**Moderately effective anti-inflammatory with good antimicrobial properties**

**May be irritating Excessive application may cause toxicity (salivation, neurologic symptoms, hepatotoxicity)**