

## Dog Skin & Coat Support Ingredients

*Drs. Foster & Smith Educational Staff*



### Key Ingredients FOR SKIN AND COAT SUPPORT

In order for you to better understand the skin and coat support ingredients available in our products, we have created this vocabulary list. This way, we believe, you can make the best decisions pertaining to your pet's skin and coat health.

**Omega-3 fatty acids - EPA and DHA:** type of fat that is not a primary calorie source, but that is incorporated into cells and helps to regulate the cell's response to certain chemical factors. Omega-3 fatty acids help stabilize normal cells against the effects of potentially damaging substances.

**Omega-6 fatty acid - Linoleic Acid:** helps to keep moisture in the skincoat. Linoleic acid is particularly important because it alone supplies the proper conditions for the water permeability functions of the skin's oil glands. Without proper production of skin oils, the coat can look dry and lusterless.

**Antioxidants - Vitamins A, C, E, zinc, quercetin, grape seed extract:** Free radicals (oxidants) are molecules that can damage cells, including the cells in the skin. Antioxidants help to neutralize the free radicals and reduce the damage. Oxidants and antioxidants must be kept in balance to reduce damage to lipid, protein, and DNA components of cells.

**Biotin:** A vitamin that is required for a number of enzymes in the body to function properly. These are necessary for healthy organs such as the skin. Biotin is considered part of the B-complex group of vitamins. B-complex vitamins are necessary for healthy skin, hair, eyes, and liver. They also help the nervous system function properly.

**Brewers Yeast:** A source of biotin and B vitamins. Brewer's yeast is a type of yeast called *Saccharomyces cerevisiae*. It is used as a source of multiple vitamins and minerals. The B-complex vitamins in brewer's yeast include B1 (thiamine), B2 (riboflavin), B3 (niacin), B5 (pantothenic acid), B6 (pyridoxine), B9 (folic acid), and H or B7 (biotin). These vitamins help break down carbohydrates, fats, and proteins, which provide the body with energy. They also keep skin, hair, eyes, mouth, and liver healthy, among other functions.