# SEMI-SOLID TOPICAL COMPOSITION WHICH CONTAINS~~CONTAINING~~ PIRFENIDONE AND MODIFIED DIALLYL DISULPHIDE~~DISULFIDE~~ OXIDE (M-DDO) FOR ELIMINATING OR PREVENTING ACNE

## FIELD OF THE INVENTION

The invention relates to a semi-solid topical composition containing 8% Pirfenidone and 0.016% Modified Diallyl Disulfide Oxide (M-DDO) acting synergically for eliminating or preventing the occurrence of various forms of skin acne and as antimicrobial and antiseptic agent.

## BACKGROUND OF THE INVENTION

Acne is an inflammatory disease of the pilosebaceous follicles associated to alterations of keratinization and seborrhea; it is characterized by the formation of skin lesions such as comedones, papules, pustules, cysts, and abscesses, frequently leaving residual scars.

The acne is doubtless the most frequent skin disease worldwide; it has traditionally been considered that two main factors are involved in acne occurrence, the exaggerated production of sebum and abnormal desquamation of epidermal cells finally causing an excessive keratinization, but recent studies have added genetic predisposition and inflammation as acne-causing factors. According to recent statistical data, it is estimated that about 85% of people between 11 and 30 years of age suffer from acne, i.e. about 20 million people are affected in Mexico alone. The incidence data show a maximum peak at the age of 18, followed by a progressive reduction which is more prominent after the age of 30; however, between 25 and 35% of adults older than 35 years of