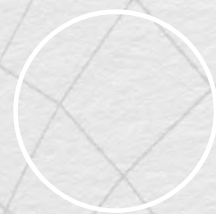




The **Impepho extract** is an active ingredient to be incorporated into skincare formulations targeting problem and acne prone skin. The extract exhibits anti-microbial activity and anti-inflammatory activities making it an ideal ingredient to treat acne-prone skin.



**ZUPLEX**  
— BOTANICALS —

## INCI NAME

*Helichrysum odoratissimum* extract, propanediol or glycerine, water

## CHARACTERISTICS

**Appearance:** Golden brown liquid

**Solubility:** Water-soluble

**pH range:** 4.0 – 6.0

- Non-irritant
- Derived from nature
- Traditionally used
- Safe

## USAGE

**Use level:** 1-6%

**Shelf-life:** 24 months

## EFFICACY

- Anti-microbial
- Anti-inflammatory
- Antioxidant
- Hydrating
- Soothing



## SOURCE

This plant is central to African folklore where it is felt to restore a sense of connection to nature and to the ancestors. It is burned as a natural incense to bring good energy to the home. The Zuplex *helichrysum* is collected by traditional collectors based in the KwaZulu-Natal Province. The collectors make bundles of the flowers and carry them back home where they are hung under the shade of traditional thatched huts to dry. Once dried the flowers are put into hessian sacks and transported to the famous Durban herb Market for sale. This extract is made from a 1,3-Propanediol or glycerine and water extract of *Helichrysum odoratissimum* leaves and stems.

## TRADITIONAL USE

*Helichrysum odoratissimum* has a long history of traditional use across various cultures for its remarkable medicinal properties. In traditional African medicine, it has been revered as a potent herb for treating various ailments. *Helichrysum odoratissimum* has been historically utilised to alleviate respiratory issues such as coughs and bronchitis, due to its expectorant and anti-inflammatory properties. Additionally, it has been used topically to aid in wound healing and alleviate skin conditions such as eczema and acne. Moreover, *Helichrysum odoratissimum* extract has been incorporated into traditional remedies for promoting digestive health and alleviating gastrointestinal discomfort.

## ACTIVE COMPONENTS

*Helichrysum odoratissimum* extract is a rich source of bioactive compounds renowned for their skincare benefits. Laboratory analyses reveals that this plant contains a plethora of phytochemicals, with sesquiterpene lactones standing out as prominent constituents. These sesquiterpenes, such as helichrysin and arzanol, are known for their potent anti-inflammatory and antioxidant properties, making them effective in combating oxidative stress and soothing irritated skin. Moreover, *Helichrysum odoratissimum* extract is rich in flavonoids and phenolic acids, further enhancing its antioxidant activity and contributing to its ability to protect the skin from environmental damage. With its diverse array of active components, *Helichrysum odoratissimum* extract offers a holistic approach to promoting healthy and radiant skin.

## CLAIMS AND ACTIVITY

The Impepho extract is an active ingredient to be incorporated into skincare formulations targeting problem and acne prone skin. The extract exhibits antimicrobial activity and anti-inflammatory activities making it the ideal ingredient to treat acne prone skin. Studies have shown that the *Helichrysum odoratissimum* extract incorporated into an ointment for pimples has the ability to control *C. acnes* proliferation and also inhibit activity on various targets associated with bacterial virulence leading to acne progression. This makes the extract ideal for problem skin.