

TECHNICAL DATA SHEET

Product Name: Infused St. John's Wort Oil

INCI Name: Hypericum Perforatum Extract, Helianthus Annuus Seed Oil, Prunus Amygdalus Dulcis Oil, Tocopherols

CAS: 84082-80-4, 8001-21-6, 8007-69-0, 1406-66-2

Chemical Classification: Fats and Oils

Functional Category: Skin Conditioning Agent, Conditioner for Normal, Dry, and Dehydrated Hair ~ Emollient

Description: Infused St. John's Wort oil is obtained by macerating dried plant material of Hypericum perforatum in a suitable plant oil using the "Stove-Top" method. The medicinal compounds gradually transfer from the flowers, leaves, and stems of Hypericum perforatum into the carrier oil, leading to a synergistic effect between the plant's active components and the vegetable oil. The carrier oil used is cold-pressed linoleic-type sunflower oil, which contains a high proportion of essential linoleic acid and a lower percentage of oleic acid. St. John's Wort oil is rich in flavonoids, hyperforin, and tannins, giving it potent anti-inflammatory, regenerative, and soothing properties. It is primarily used for sensitive and irritated skin, as it helps alleviate redness, minor burns, and superficial wounds. Additionally, it is known for improving skin elasticity and supporting epidermal regeneration. However, due to the presence of hypericin, which can increase skin sensitivity to sunlight, its use requires caution. It is recommended mainly for evening skincare or in formulations not intended for direct sun exposure. In cosmetic formulations, St. John's Wort oil is commonly included in balms, creams, and serums designed to soothe irritation, hydrate dry skin, and improve skin tone. When formulating, it is best combined with plant butters or other regenerative oils to enhance its calming effect. The oil is yellow, odorless, and preserved with Vitamin E.

Bioactive Compounds: Infused St. John's Wort oil is rich in bioactive compounds, with hypericin and pseudohypericin being the most prominent. These compounds exhibit strong anti-inflammatory effects and promote skin regeneration, particularly in cases of superficial damage and irritation. Additionally, hyperforin, a lipophilic compound with potent antibacterial properties, makes this oil beneficial for acne-prone skin. Hyperforin also helps regulate sebum production, making it suitable for formulations targeting oily

Disclaimer: The details provided here are specific to the identified material and may not remain accurate if that material is combined with other substances or used in different processes. The information presented is, to the best of the company's knowledge, considered precise and trustworthy as of the date mentioned. However, the company does not make any explicit or implied assurance, guarantee, or claim regarding the information's precision, trustworthiness, or comprehensiveness, and will not be held accountable for any losses, damages, or costs, whether direct or indirect, that arise from its use. Users are encouraged to independently verify the appropriateness and thoroughness of this information for their specific purposes.

TECHNICAL DATA SHEET

and problematic skin. Flavonoids such as quercetin and rutin contribute to the oil's antioxidant potential, protecting skin cells from oxidative stress and premature aging. They also improve microcirculation and strengthen capillaries, reducing redness and skin sensitivity. Tannins present in St. John's Wort provide a mild astringent effect, toning the skin and minimizing enlarged pores. Their presence aids in the regeneration of minor wounds and burns, accelerating the healing process.

Benefits:

- Promotes skin regeneration and accelerates the healing of minor wounds, burns, and irritations.
- Reduces inflammation and redness, soothing sensitive and reactive skin.
- Provides antioxidant protection and slows down skin aging.
- Regulates sebum production and helps treat problematic skin.
- Exhibits antibacterial properties, preventing infections and skin impurities.
- Enhances skin elasticity and tone, making it softer and healthier.
- Strengthens capillaries and improves microcirculation, reducing redness visibility.
- Has an astringent effect, toning the skin and tightening enlarged pores.
- May increase photosensitivity, requiring caution with sun exposure.

Usage Instructions: Infused St. John's Wort oil is used in various cosmetic formulations depending on the product's purpose and type. In balms and creams for skin regeneration, it is typically added at concentrations of 5% to 10%, ensuring optimal bioactive compound efficacy while minimizing the risk of photosensitivity. In moisturizers and serums for sensitive and irritated skin, a 3% to 5% concentration is recommended to provide soothing and anti-inflammatory effects without overloading the formulation. In massage oils, particularly for muscle relaxation and circulation enhancement, concentrations can go up to 20%, ideally combined with other plant oils to improve stability and sensorial properties. Due to its potential photosensitizing effects, it is recommended primarily for nighttime formulations or products not intended for direct sun exposure. In emulsion systems, it pairs best with plant butters and antioxidant-rich oils, enhancing formulation stability and extending the lifespan of active ingredients.

Animal Testing: Not tested on animals

GMO: Non-GMO

Disclaimer: The details provided here are specific to the identified material and may not remain accurate if that material is combined with other substances or used in different processes. The information presented is, to the best of the company's knowledge, considered precise and trustworthy as of the date mentioned. However, the company does not make any explicit or implied assurance, guarantee, or claim regarding the information's precision, trustworthiness, or comprehensiveness, and will not be held accountable for any losses, damages, or costs, whether direct or indirect, that arise from its use. Users are encouraged to independently verify the appropriateness and thoroughness of this information for their specific purposes.