

KEYOXYGEN

PURE INGREDIENTS

CARE & REPAIR OIL

OZONIZED OIL · 800IP



BALANCES, NOURISHES & REGENERATES THE SKIN

REPAIRING AND NOURISHING OIL
with Ozonized Olive Oil + Ozonized Sunflower Oil

10ml & 100ml

KEYOXYGEN.COM

CARE & REPAIR OIL

OZONIZED OIL · 800IP

BALANCES, NOURISHES & REGENERATES

Repairing oil that balances, tones, nourishes, hydrates and regenerates the skin.

The perfect ingredient for well-being and skin care.

Ideal for skin conditioning, with a dry and easily absorbed texture, designed for all skin types.

SCIENTIFIC ENDORSEMENT: Various studies suggest that the use of ozonized oils locally on wounds triggers the appearance of cytokines with powerful restorative effects¹.

APPLICATION MODE:

USE CARE & REPAIR OIL ALL YEAR ROUND, WHETHER WINTER OR SUMMER

Apply to clean, dry skin with a gentle massage until completely absorbed or by mixing 1 or 2 drops in your daily cosmetic product.

You can use KeyOxygen Care & Repair Oil 800 IP to create your own homemade natural cosmetics with ozonized oil and add all the benefits to your daily cosmetics: shampoo, body wash, toothpaste, moisturizing cream, etc.

SCIENTIFIC ENDORSEMENT: In 10 days it helps recover skin elasticity, increases elastin and collagen levels. Deeply hydrates the skin.

PeroxiBiokey® ozonized vegetable oils have been shown to be effective at very low concentrations¹⁰, representing an ingredient with which to enrich daily care and hygiene products for skin, hair, mucous membranes or sensitive areas such as lips.

PRECAUTIONS:

Store in a cool and dry place away from sunlight. Keep out of the reach of children. Topical use. Avoid contact with eyes.



- Vegan product, free of ingredients of animal origin
- Dermatologically Tested Product



RECOVERED



MOISTURIZER



NO GREASY FINISH



ALL SKIN TYPES



LAB TESTED



VEGAN

INGREDIENTS:
*OZONIZED OLIVE OIL, **OZONIZED SUNFLOWER SEED OIL

*50% PeroxiBiokey® Plug&Play ozonized olive oil (800IP). Cold manufactured ingredient, respecting the molecular structure of fatty acids. It contains cellularly available oxygen that activates tissue epithelialization. **REGENERANT AND REPAIRING**

50% PeroxiBiokey® Plug&Play ozonized sunflower oil (800IP). Cold manufactured ingredient respecting the molecular structure of fatty acids. It contains active oxygen that destabilizes the membranes of microorganisms. **ANTISEPTIC AND REGULATOR

Ozonized Olive Oil: it contains Triolein - natural structural compound of the skin. It contains natural Azelaic Acid.

CLINICAL CASE: 90-year-old patient who presented with a vascular ulcer in the left lower limb two years ago, with several recurrences over that time (last one in November 2023). Treatment with soap and ozone oil for delayed healing begins in January 2024. Complete skin integrity in 7 weeks.



OZONIZED OILS LIKE VERSATILE MOLECULES

Ozonized oils are the result of a fat oxidation process by diffusing ozone under controlled conditions through vegetable raw materials. Ozone reacts with the double bonds of fatty acids present in vegetable oils, forming especially ozonides (1,2,4-trioxolanes) and peroxides such as hydroperoxides, polymer peroxides and other organic peroxides^[2,3]. These compounds derived from ozonation are loaded with oxygen molecules and negative oxygen free radicals, which are responsible for the oxygenating as well as germicidal properties present in ozonized oils⁴.

Moreover, toxicity studies (oral and intraperitoneal LD50, ophthalmic and dermal irritation, sensitization, phototoxicity, mutagenicity, teratogenicity, etc.) have obtained a positive evaluation at an international level⁵, **making ozonated oils a safe component of application in multiple problems.**

Likewise, PeroxiBiokey® ozonized vegetable oils have been tested in safety and cell viability tests⁶, proving that they do not significantly affect the survival of the cell line evaluated and expressing very good skin compatibility⁷.

CARE OF THE SKIN MICROBIOTA PEROXIDE INDEX OF 800

The Peroxide Index (PI) specifies the peroxides present in the oil and represents the amount of active oxygen (oxygen milliequivalents) contained in 1kg of product. The greater or lesser proportion of oxygen and other substances derived from ozonation will determine the therapeutic effects. Oils with a higher IP will have more power in terms of **inhibiting the growth of microorganisms**. Thus, the ozonized oil

PeroxiBiokey: 50% olive and 50% sunflower (800IP) has shown activity against *Staphylococcus aureus* and *Escherichia coli* at a concentration of 12.5% and 25% respectively⁸.

Likewise, **ozonized vegetable oils are presented as regulators of the bacterial flora since with their application the invading bacteria die.** However, the flora itself has the capacity for genetic and innate recovery, so they can be used in problems involving dysbiosis such as atopic dermatitis (AD). This is manifested in the study carried out by doctors from Third Xiangya Hospital and the University of South Carolina School of Medicine, in which the proportional relationship of *Staphylococcus aureus* and *Acinetobacter sp.* changes, thus **restoring microbiological diversity** in AD lesions⁹.



CELLULAR NUTRITION WITH OXYGEN Biotechnology applied to the ingredient · PeroxiBiokey®

- I. Process temperature control. The low temperature of 9-12°C allows better conservation of the initial ingredient.
- II. Unique molecular composition with triolein, azelaic acid, triglycerides and different structural fatty acids such as ozonides, hydroperoxides and aldehydes.
- III. Does not contain volatile ozonides.
- IV. Controlled, stable and reproducible process, obtaining a product with homogeneous properties.
- V. Control of peroxides present in the product.
- VI. Ozonation of all oil types thanks to the process temperature control.

SPECIFIC BIBLIOGRAPHIC REFERENCES:

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CARE & REPAIR OIL • 800IP

APPLICATIONS:

Ozonized oils as a medicine cabinet product.

Thanks to its versatile properties, its applications reach various areas, representing a clean, toxic-free and safe product.

DRY SKIN: dehydration and xerosis.

SKIN DISEASES: Rosacea, couperose, dermatitis and acne.

AUTOIMMUNE DISEASES: Lupus and psoriasis.

VASCULAR PROBLEMS: Diabetic foot and varicose ulcers.

PODIATRY: Plantar hyperkeratosis, hyperhidrosis and fungi.

ALLERGIC PROCESSES: Urticaria, eczema and insect bites.

SCALP PROBLEMS: Dermatitis, dandruff and seborrhea.

CARE OF SKIN EXPOSED TO EXTERNAL FACTORS: burns due to sun exposure, cold or wind, abrasion and chemical burns.

SKIN CARE FOR PIERCINGS AND TATTOOS.

POST-SURGICAL CARE: Infection, scars and keloids.

CARE OF THE CANCER PATIENT: mucositis, skin redness, itching and burning.

CARE OF THE ORAL AREA: canker sores, gingivitis and halitosis.

CARE IN GERIATRIC PATIENTS: bedsores, bruises and spots.

BABY CARE: diaper rash, atopic dermatitis and cradle cap.

PRENATAL, POSTPARTUM AND BREASTFEEDING CARE: stretch marks, nipple cracks and dry skin.

CARE OF THE GENITAL AND ANAL AREA.



**KEY
OXY
GEN**

PRODUCTS THAT
TAKE CARE OF YOU
ADVANCED BIOTECHNOLOGY

KEYBIOLOGICAL S.L.

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