



Explore respilon.com

Life's worth it



NUENEX[®]

Cosmeceutical platform

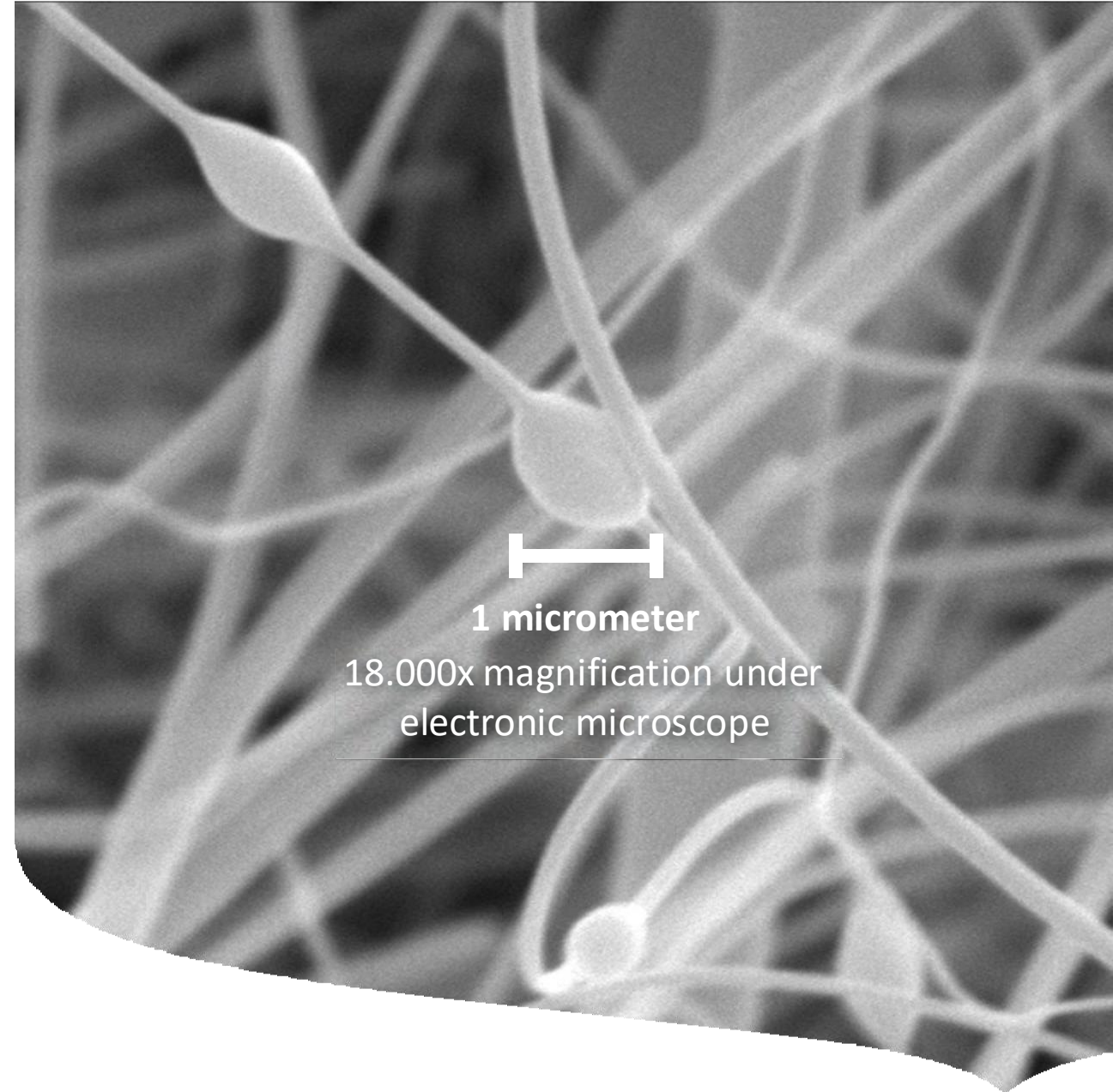
NUENEX— Invisible patch with sustained release

Characteristic: High ability of differentiation

NUENEX is a shuttle system. It is a new revolutionary medical material that can be loaded with most drugs, compounds and actives. These can be delivered by transdermal, buccal or pulmonary routes in the highest possible and purest concentrations, in the exact volume and at the exact time.

USPs: More convenient and accurate drug delivery without pills and needles

- allows different drugs and compounds to be administered in the highest possible concentrations and mutual combinations
- is made from natural ingredients and can be easily combined with synthetic materials without preservatives or additives
- is a melting “disappearing” patch made from fibers a 1.000 times thinner than human hair
- fibers can be infused with most drugs or actives
- release of actives can be programmed from hours to 3 or 4 days
- manufactured by machines invented and controlled by RESPILON through IP rights
- shelf life can be years



Nuenex technology

TEETHING

Characteristic:

The application focuses on forming a patch applied to the mouth on the gums. The product is intended especially for babies (teething remedies). The active substances of choice are natural/herbal analgesics such as clove oil (containing eugenol), peppermint oil (menthol), Neem oil, vanilla extract (vanillin) and Boswellia serrata extract (Boswellic acids). The product serves as a natural alternative for teething and toothache systems.

USPs: More convenient and less frequent use

Current natural teething products often fall short, necessitating frequent applications. Our product addresses this gap by ensuring extended relief, significantly reducing the need for multiple doses and enhancing comfort for longer periods. This innovation in teething relief aims to provide more consistent and sustained comfort, more effective and convenient solution for parents and children.



TEETHING

Concept:

The system is based on a hybrid nanofiber/nanoparticle system. The composite will be based on mucoadhesive particles prepared based on liquid nano capsules. The nanoparticles will prolong the release of analgesics, resulting in longer efficacy. No need for repeated and frequent administration of the product in comparison due to washing out of the gel forms from the gum..

Main ingredients:

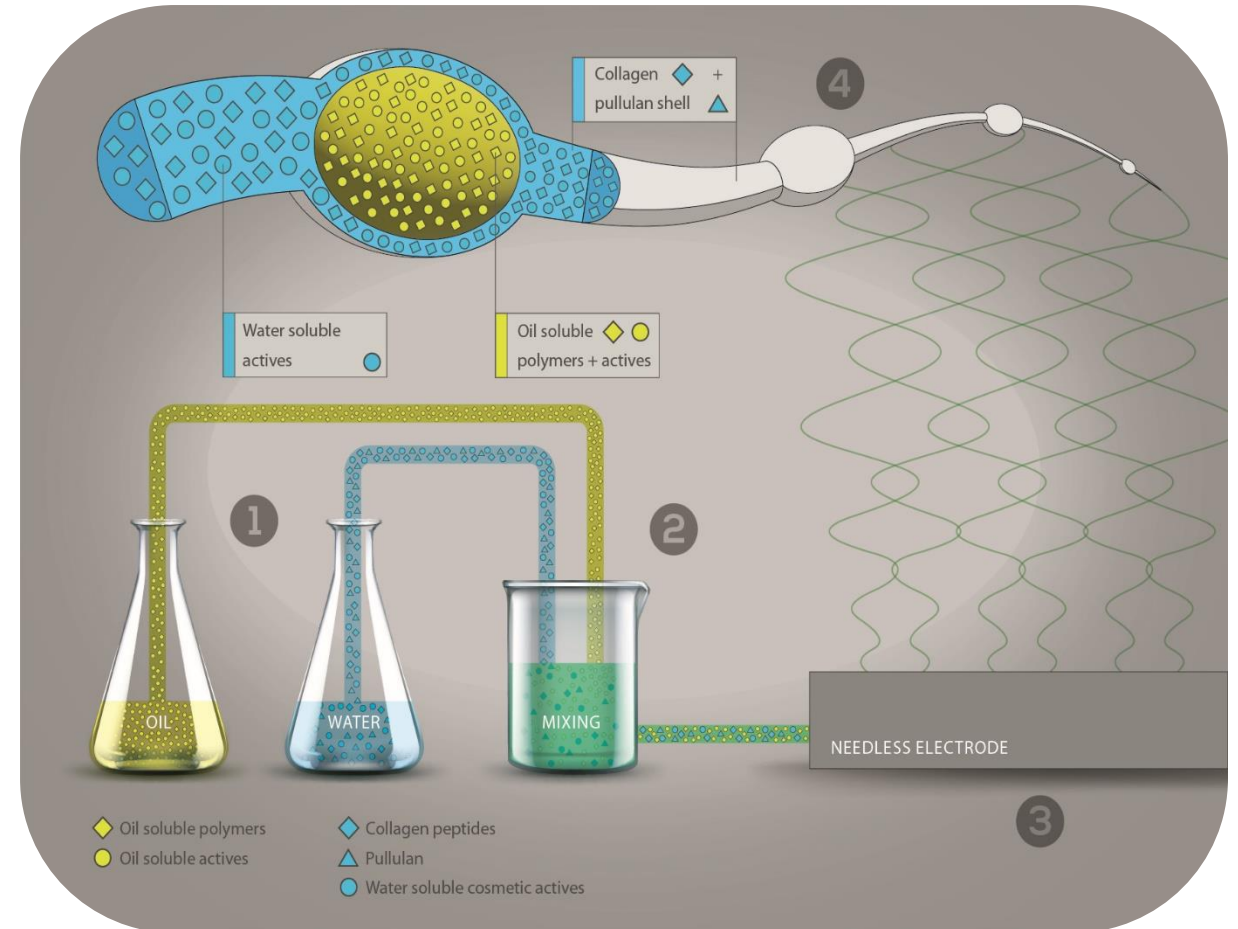
Clove Oil: Clove oil is known for its pain-relieving properties due to the presence of eugenol, a powerful anti-inflammatory compound.

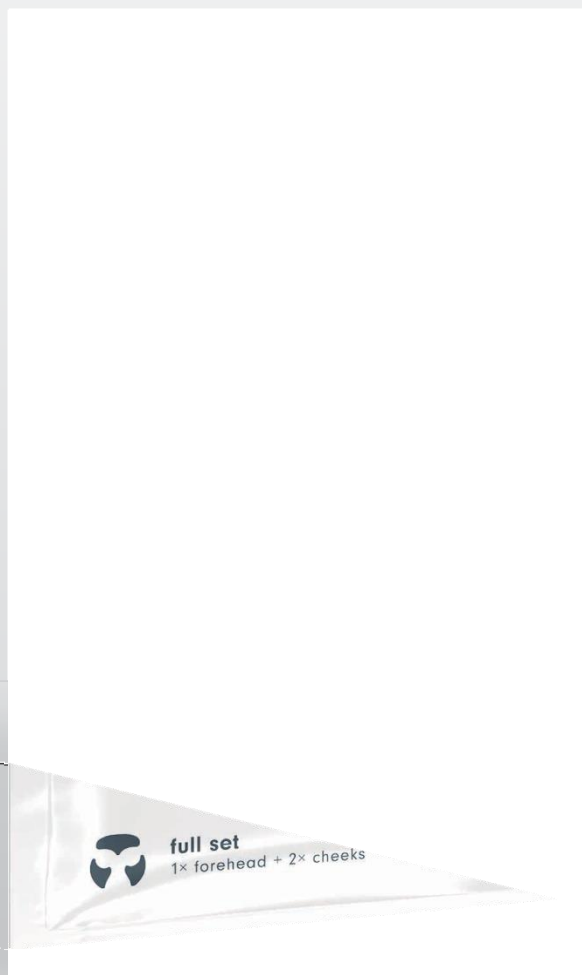
Peppermint Oil: Menthol, contributes to its pain-relieving qualities. When applied topically to the affected tooth, peppermint oil can provide temporary relief by numbing the area and reducing discomfort. Its anti-inflammatory properties help reduce swelling associated with toothaches.

Vanilla Extract: Containing essential antimicrobial agents, vanilla extract can be beneficial for oral health. Its component, vanilloid, is known for treating dental pain. Vanillin and vanillic acid were investigated in preclinical studies as potential antinociceptive therapeutic agents, that is, capable of inhibiting the sensation of pain.

Neem: Neem has pain-relieving compounds and anti-inflammatory properties, making it effective against toothache and bacterial infection. It contains components like menthol, carvacrol, and limonene, which are known for their calming effects on oral health issues. These components produce a cooling sensation and have antiseptic and anti-inflammatory properties.

Boswellia serrata: Key active compounds include boswellic acids, contributing to the extract's ability to manage pain and reduce inflammation.





Teething

- Rapid application and easy use
- Rapid onset of action and absorption
- Persistent effect for ??hours
- No chemical stabilizers and conservants

INCI: Hydrolyzed Collagen, Pullulan, Hydrolyzed Viola Tricolor Extract, Selaginella Lepidophylla Extract, Aqua, Glycerin, Citrus Aurantium Dulcis Fruit Extract, Punica Granatum Extract, Alcohol Denat., Curcuma Longa Callus Lysate, Pelargonium Graveolens Oil, Moringa Oleifera Seed Extract, Stevioside, Citronellol, Leuconostoc/Radish Root Ferment Filtrate, Rosmarinus Officinalis Leaf Oil, Acemella Oleracea Extract, Lactobacillus Ferment, Geraniol, Linalool, Citric Acid, Acer Rubrum Bark Extract, Citral, Leucosium Aestivum Bulb Extract, Limonene.

!!! As example only!!! Need to use real ingredients!!!!

Article No.:

EAN Code:

HS Code:

**RESPILON has been helping
people from all over the
world to live better and
healthier lives
by using nanofibers**

Contact

RESPILON Headquarters Europe
K Bilemu vrchu 22, Prague 9,
Czech Republic
+420 604 722 135
r.zima@respilon.com
Explore **respilon.com**

Roman Zima

