





About WorléeSuspens Eco

WorléeSuspens Eco is the perfect solution for those looking to create sustainable, high-quality natural cosmetic products. Made from bacterial cellulose obtained through a non-GMO fermentation process, this bio-based suspending agent enhances sensory properties, resulting in a transparent, uniform formulation.

WorléeSuspens Eco creates a three-dimensional network of cellulose fibers, that increases the yield stress without affecting the viscosity. This ready-to-use product is easily incorporated into any formulation with moderate stirring.



99.4 % Natural Origin Content (NOC)



Vegan



Not in scope of Commision regulation (EU) 2023/2055 for microplastics



Non-GMO



Palmoil free



Cruelty free



COSMOS-Ecocert validated

Your benefits at a glance

Benefits of WorléeSuspens Eco

Synergistic viscosity effect with Sodium Chloride

While using sodium chloride WorléeSuspens Eco has an positive effect on the viscosity and sodium chloride content can be slightly reduced.

Transparency

Comparable to synthetic suspending agents

Xanthan Gum

Improves the flow properties









WorléeSuspens Eco

Bio-based Suspending agent

Product	INCI	Appearance	pH value	Viscosity [mPas]		6128 igin Content with water [%]
WorléeSuspens Eco	Aqua, Glycerin, Cellulose, Sodium Benzoate, Cellulose Gum, Citric Acid	White to yellowish viscous liquid	3.0 - 5.5	≤ 5000	90.2	99.4

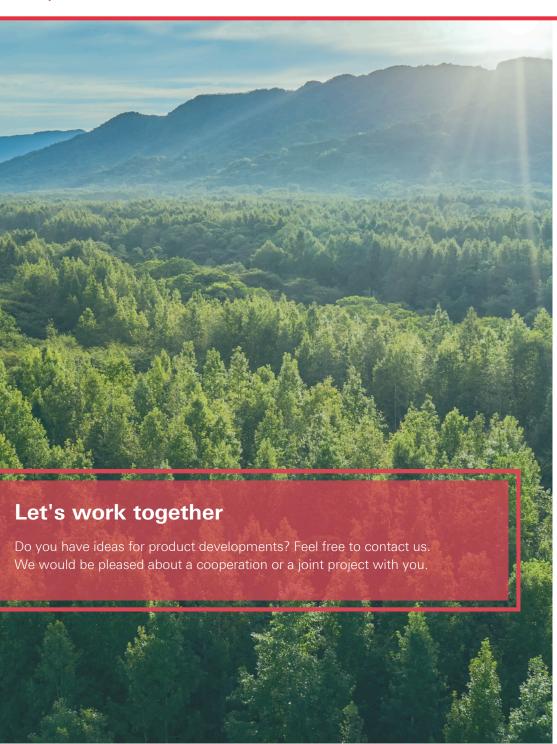
How to process WorléeSuspens Eco

- Effective in surfactant-based formulations
- Usage Level: approx. 2.0 10.0 wt%* (If used in Color, a higher concentration may be necessary depending on the formulation)
- Cold processable
- Disperse in water first
- High shear rates are not required
- · Avoid too much air uptake
- Compatible from a pH value between 4-12
- Temperature stable up to 45°C
- The usage level to achieve perfect stabilizing properties depends on:
 - Surfactant system
 - Surfactant concentration
 - Particle size

^{*}A usage concentration of max. 5% is recommended for salt-thickened and surfactant-containing (anionic) systems.







The values that guide our actions

We are committed to forward-looking and prudent environmental protection and to preventive and comprehensive occupational health and safety as a corporate goal.

We are convinced, that the natural goods of water, air, and soil must be treated carefully as a part of our responsible business practices. In this way, the ecosystem in which we live can be preserved as the basis of life for future generations as well. This particularly applies to the economical and efficient use of energy and natural resources.

We stand by our responsibility to provide safe and secure production, storage, and transport. We ensure that our products are handled conscientiously along the entire value-added chain.









Worlée-Chemie GmbH, Grusonstrasse 26, 22113 Hamburg, Germany Tel. +49 (0)40 73333 0, cosmetics@worlee.de www.worlee.de

The above declarations serve for information purposes only. In particular, they shall not be relevant to define binding specifications for any orders. With respect to any order, the specifications shall be governed by the povisions of the sales contract to be concluded between the parties (e.g. the "product specification"). Any deliveries are exclusively subject to our general standard terms and conditions in their respectively valid version. We will be happy to provide you with the general standard terms and conditions upon your request and they can be downloaded online at http://www.worlee.de/GSTC

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