



Minasolve[®] is a brand of Minafin[®] Group

The Minafin[®] Group, whose affiliates develop and manufacture active pharmaceutical ingredients, organic intermediates and specialty fine chemicals for the life science industries and technical applications is organized around **5 brands**, each dedicated to specific end-users or chemical technologies :

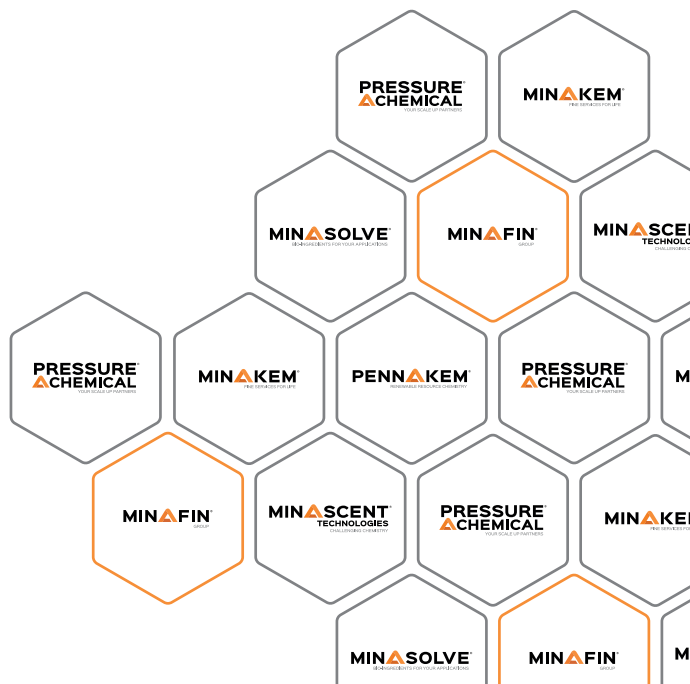
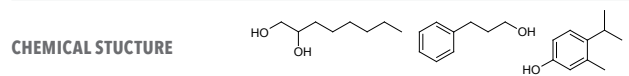
- ▶ Minakem[®]
- ▶ Minasolve[®]
- ▶ Pennakem[®]
- ▶ Pressure Chemical[®]
- ▶ Minascen[®]

Serving market leaders as well as emerging players, we support our customers' efforts to improve the quality of life in the global community by:

- ▶ Improving our chemistry and operational excellence today
- ▶ Creating and innovating for tomorrow
- ▶ Driving our enterprises together to go beyond expectations

Specifications and Characteristics

INCI	Caprylyl Glycol, Phenylpropanol, o-Cymen-5-ol
CAS REG. N°	1117-86-8, 122-97-4, 14246-53-8
APPEARANCE	Clear, colourless liquid
ODOUR	Faint, aromatic
SOLUBILITY	Soluble in aqueous solutions of surfactants, miscible with polar oils and alcohols
RECOMMENDED PH OF USE	3.0 ▶ 8.0
RECOMMENDED USE LEVEL	0.5 ▶ Max. 1.5 %
REGULATORY STATUS	Globally approved
ORIGIN	Synthetic



EASYSAFE OC 8

Eco-friendly and multifunctional alternative to Triclosan and Triclocarban

SYNERGISTIC COMBINATION OF NON-HALOGEN INGREDIENTS WITH POWERFUL ANTI-MICROBIAL ACTIVITY

- ✓ **Excellent alternative to Triclosan**
- ✓ **Antioxidant activity**
- ✓ **Mild with safe profile**
- ✓ **Versatile and easy to use**

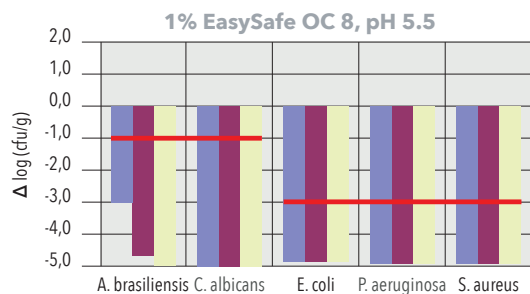
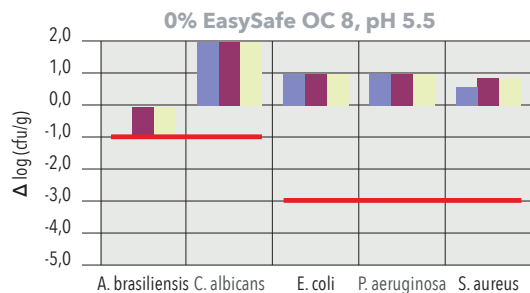
MINASOLVE[®]
BIO-INGREDIENTS FOR YOUR APPLICATIONS

green solving attitude.

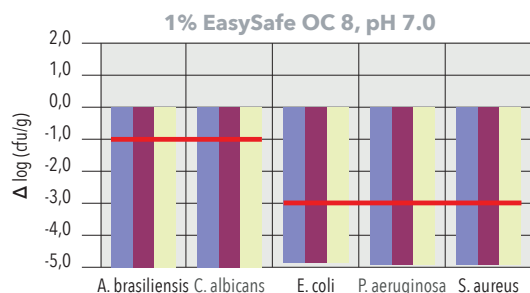
Challenge tests according to ISO 11930

O/W-emulsion

Fulfilled criteria A (ISO 11930)



Fulfilled criteria A (ISO 11930)



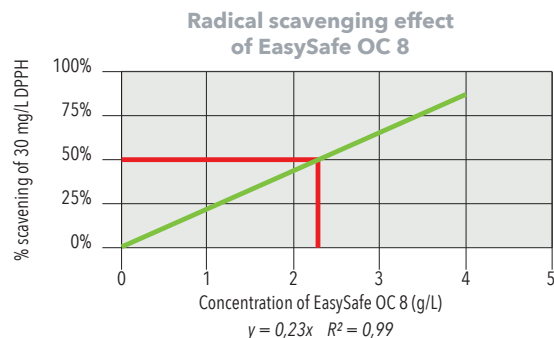
Phase	Raw material	INCI name	%
A	Water	Aqua	ad 100
	Xanthan Gum N ⁽²⁾	Xanthan Gum	0.5
C	Emulgade PL 68/50 ⁽³⁾	Cetearyl Glucoside (and) Cetearyl Alcohol	5.0
	Lipex Sheasoft ⁽⁴⁾	Butyrospermum Parkii (Shea) Butter	3.0
	Jojoba Oil ⁽⁵⁾	Simmondsia Chinensis (Jojoba) Seed Oil	3.0
	Hazelnut Oil ⁽⁵⁾	Corylus Avellana (Hazel) Seed Oil	3.0
D	DL-α-Tocopherol (>97%)	Tocopherol	0.1
	EasySafe OC 8 ⁽¹⁾	Caprylyl Glycol, Phenylpropanol, o-Cymen-5-ol	0.0 / 1.0 / 1.0
E	aq. Citric Acid	Aqua (and) Citric Acid	ad pH 5.5

Raw material suppliers:

⁽¹⁾ Minasolve ⁽²⁾ Jungbunzlauer ⁽³⁾ BASF ⁽⁴⁾ AAK ⁽⁵⁾ Caesar & Loretz

Antioxidant effect

EasySafe OC 8 acts as an anti-oxidant due to the presence of o-Cymen-5-ol. In a photometric assay, EasySafe OC 8 scavenged a 30 mg/L solution of the free radical DPPH with an EC₅₀-value of 2.2 g/L.



EasySafe OC 8 contains a synergistic combination of mild ingredients with powerful **antimicrobial and antioxidant** activity. It is an efficient and eco-friendly alternative to Triclosan. Furthermore it is of low odour, free of halogen-containing compounds and with a safe toxicological profile.

EasySafe OC 8 shows a broad spectrum activity against bacteria, yeast and moulds in personal care and hygiene applications. Its antimicrobial effect is largely pH-independent and shows outstanding performance at low dosage in leave-on and rinse-off formulations.

EasySafe OC 8 contains o-Cymen-5-ol, an isomer of thymol, the active molecule of thyme, and Phenylpropanol, a compound naturally occurring in flowers and fruits.

Applications

- ▶ **EasySafe OC 8** is an easy to handle liquid that is stable between -10°C and + 80°C. It is preferably added towards the end of the formulation, e.g. to an aqueous phase containing surface-active ingredients or after emulsification.
- ▶ **EasySafe OC 8** remains active within a large pH range and is compatible with commonly used cosmetic ingredients.

The given information is accurate to the best of our knowledge. Customers are advised to perform their own studies on the usefulness of any ingredient for a particular application. Any recommended usage information is only provided as indication, and should not be considered as recommendation to violate of any laws, patents, or official regulations dealing with manufacture, composition, local procedures, product design, or end usage.