

POLYGREEN® TENSOLIVE

CHEMICAL NAME: Olivamidopropyl Betaine

INCI name ⁽¹⁾	CAS number ⁽¹⁾	EINECS number ⁽¹⁾
Olivamidopropyl Betaine	---	---

(1) Reference: (<http://ec.europa.eu/consumers/cosmetics/cosing/index.cfm?fuseaction=search.simple>), CosIng, Europe.

INCI name ⁽²⁾	CAS number ⁽²⁾	EINECS number ⁽²⁾
Olivamidopropyl Betaine	<i>International Cosmetic Ingredient Dictionary and Handbook, 15th edition, page 2259.</i>	---

(2) Reference: *International Cosmetic Ingredient Dictionary and Handbook*, 15th edition, 2014, USA.

SPECIFICATION

Appearance (25°C)	: Gel
% Solids	: 34.0 – 38.0 %
Color GARDNER	: 0.0 – 8.0
% of Chlorides	: 0.0 – 6.0 %
pH 10% (25°C)	: 7.0 – 9.0

CHARACTERISTICS

POLYGREEN® TENSOLIVE is an exclusive amphoteric surfactant developed from olive oil, with excellent antistatic and irritability reducing properties.

Like other amphoteric surfactants, POLYGREEN® TENSOLIVE is a co-surfactant recommended for shampoos, conditioners, cleaning lotions and emulsions for facial and body care, where it acts as a cleaning or emulsifier agent.

COSMETIC APPLICATION

POLYGREEN® TENSOLIVE is compatible with anionic, cationic and non-ionic surfactants, being suitable for general personal care and cosmetics formulations.

In shampoos and liquid soaps, POLYGREEN® TENSOLIVE, like other amphoteric surfactants, must be associated to anionic surfactants, which improves its foaming characteristics, its viscosity, combing, smoothness and conditioning. It can also be used in shampoos without surfactants, ethoxylated or not, and with sulfate as the main surfactant.

The chemical structure of POLYGREEN® TENSOLIVE provides the following properties, among others:

- An increase in foaming power for anionic surfactants. It modifies the foam structure by reducing bubbles, making it more consistent, creamy and resistant to the presence of calcareous soaps;
- Shampoo thickening, allowing a higher viscosity due to its synergy with bulking agents and sodium chloride;
- A conditioning effect due to its skin and hair substantiability and to having a positively charged molecule;

- Improves hair shine and combing;
- Stability in acidic or alkaline pH, which makes it also suitable for conditioning formulations, enhancing the static charge reducing effect;
- A decrease in irritation caused by anionic surfactants and other components in the formulation.

POLYGREEN® TENSOLIVE can be used in various applications, such as:

- **Skin Care:** Liquid soft soaps, shower gel and shower cream.
- **Hair Care:** Shampoos, conditioners (with or without rinse) and hair masks.
- **Toiletries:** Liquid soaps, bar soaps, products for children and wet tissues.

STORAGE

POLYGREEN® TENSOLIVE should be stored at room temperature, in a covered, dry area, in its original closed packaging and away from light.

SHELF LIFE

Thirty-six (36) months from manufacturing date.

REFERENCES

1. *CosIng*, Europe (<http://ec.europa.eu/consumers/cosmetics/cosing/index.cfm?fuseaction=search.simple>)
2. *International Cosmetic Ingredient Dictionary and Handbook*, 15th edition, 2014, USA.