Baycusan[®] C 2000

General information:

INCI Name	Polyurethane-64
Ingredient category	Film former
Chemical description	Ethanol-based polyurethane polymer (non-ionic)
Appearance	Transparent solution
Solid content	40.0±5.0
Viscosity	<10000 mPa.s

Sustainability profile:

- Biodegradability: Reached a mean biodegradation rate of 15% within 28 days (OECD 301 ready biodegradability test*).
- **Microplastics status:** out of scope (2019 ECHA restriction proposal).

*Test perfored on the polymer itself.

Applications:

- Sun care: (hydro-) alcoholic system (sun protection, spray, aerosol, gel) & sun protective oil
- Hair care: hair oil

Technical benefits:

Sun care

Hair care

- (Salt) water resistanceSweat resistance
- High humidity
- Style retentionLong-lasting &

flexible hold

- SPF boost
- Wet skin application
- Non-greasy
- Not sticky

Others:

- Suitable for vegan products.
- Suitable for *cruelty-free* products.



Recommendations/Formulating tips:

Use level

3-7% as supplied

Compatibility

- **Chelating agents:** Compatible with state-of-the-art chelating agents.
- Water: limited compatibility (up to 15% water for 2% active polymer)
- Ethanol: soluble in ethanol
- Propellants: compatible with DME
- **Emollients:** very selective compatibility. We recommend the use of polar emollients e.g. benzoates, lactates, tartrates and malates. Non-polar emollients are not compatible if not blended with polar emollients.

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