# Safflower PG Extract - Carthamus tinctorius

*Carthamus tinctorius · Asteraceae*

Propylene glycol extract | Water-soluble | INCI listed in EU CosIng

## 1. Product identification

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| **Product name** | Safflower PG Extract - Carthamus tinctorius |
| **Botanical name** | *Carthamus tinctorius* (syn. *Carthamus glaber, Carthamus inermis*) |
| **Plant family** | Asteraceae |
| **Common names** | Safflower, Saff Flower, Kusum Flower, Kusum Seeds, Phool Kusum Seeds, Dried Safflower Flower Seeds |
| **Indian / Ayurvedic names** | কুসুম ফুল |
| **Product form** | Propylene glycol extract |
| **Country of origin** | India |
| **Product code (SKU base)** | 21516-PGE-CATIN |

## 2. Composition and identifiers

**INCI:** Propylene Glycol, Aqua, Carthamus Tinctorius Extract

| INCI / COMPONENT | FUNCTION | CAS | EC | PROPORTION |
|---|---|---|---|---|
| Propylene Glycol | Solvent | 57-55-6 | 200-338-0 | — |
| Aqua | Solvent | 7732-18-5 | 231-791-2 | — |
| Carthamus Tinctorius Extract | Botanical extract | 223749-52-8 | — | — |

Solvent system: Propylene glycol : water 70:30.

EU CosIng reference no.: 37269, 92472, 95541 · INCI status: Verified in CosIng

Where more than one CAS number is shown, the botanical substance is registered under several CAS numbers (e.g. EINECS and TSCA variants); all refer to the same INCI name.

## 3. Manufacturing

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| **Process** | Maceration in propylene glycol and water |
| **Additives** | No added colours, fragrance or preservatives unless stated on the label. |

## 4. Typical properties

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| **Physical state** | Liquid |
| **Appearance / colour** | Characteristic of the plant material; may vary naturally between harvests |
| **Odour** | Characteristic |

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| **Solubility** | Water-soluble |
| **Flash point** | Not flammable as supplied (aqueous solution); pure propylene glycol approx. 99 °C (closed cup) |

Typical values describe the product type and are not a specification. Batch-specific results (assay, moisture, microbiology, heavy metals as applicable) are given on the batch Certificate of Analysis, sent with every order.

## 5. Applications and use

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| **Applications** | Skincare |
| **Markets** | Cosmetics & personal care |
| **Suggested use level** | Typical use level in cosmetics 1–10 % (water phase). |

The formulator is responsible for confirming suitability, stability and regulatory compliance of the finished product in the intended market. Not intended for direct medicinal use.

## 6. Packaging, storage and shelf life

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| **Pack sizes** | 225 g, 1 Kg, 5 Kg, 25 Kg — bulk and custom quantities on request |
| **Storage** | Store in tightly closed containers in a cool (below 25 °C), dry place away from direct sunlight. Hygroscopic — keep containers closed. |
| **Shelf life** | 24 months from the date of manufacture in unopened original packaging stored as recommended. |

## 7. Documentation and quality

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| **Safety Data Sheet** | SDS-21516-PGE-CATIN — available for download on the product page |
| **Certificate of Analysis** | Batch-specific COA sent with every order; available on request before ordering |
| **Other documents** | Allergen, IFRA, origin and other statements on request, subject to availability |

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