



---

# Formulation & Regulatory Dossier

## CP Oat Oil

*Ceramide- & tocopherol-rich oat kernel lipid — INCI: Avena Sativa (Oat) Kernel Oil*

Product No. 906-3003 · CAS 84012-26-0 · EINECS 281-672-4

A consolidated technical, clinical, and global regulatory reference  
prepared for prospective formulation partners

**Ceapro Inc. — a subsidiary of COSCIENS Biopharma**

7824 – 51 Avenue NW, Edmonton, Alberta, Canada T6E 6W2

*Issued August 2026 · Confidential — for business-to-business use*

# Table of Contents

---

|                                                             |           |
|-------------------------------------------------------------|-----------|
| <b>1. Executive Summary .....</b>                           | <b>3</b>  |
| <b>2. About the Manufacturer.....</b>                       | <b>3</b>  |
| <b>3. Ingredient Identification &amp; Composition .....</b> | <b>4</b>  |
| <b>4. Technical Specifications .....</b>                    | <b>4</b>  |
| <b>5. Formulation Guidance .....</b>                        | <b>6</b>  |
| <b>6. Clinical &amp; Scientific Evidence .....</b>          | <b>7</b>  |
| <b>7. Positioning: The Oat Lipid Advantage .....</b>        | <b>8</b>  |
| <b>8. Regulatory &amp; Compliance .....</b>                 | <b>9</b>  |
| <b>9. Safety Summary (SDS).....</b>                         | <b>10</b> |
| <b>10. Handling, Storage &amp; Supply.....</b>              | <b>11</b> |
| <b>11. Sales &amp; Technical Inquiries .....</b>            | <b>12</b> |
| <b>Appendix A. Source Document Register .....</b>           | <b>12</b> |

# 1. Executive Summary

CP Oat Oil is a premium, naturally lipid-rich oil derived from the kernel of the oat (*Avena sativa*). A single-ingredient, 100% vegetable oil, its distinctive profile — high linoleic acid, skin-compatible polar lipids, **phytoceramides**, and natural vitamin E (tocopherols) — delivers soft, cushioning emollience, antioxidant defense, and barrier support with an elegant, non-greasy, fast-absorbing feel. In hair care, its ceramide-containing lipid fraction smooths the cuticle and supports shine and manageability.

This dossier consolidates everything a formulation partner needs to evaluate, specify, and integrate the ingredient: full identification and composition, technical specifications (including the fatty-acid profile) with a representative certificate of analysis, oil-phase formulation guidance, the clinical and mechanistic evidence base for lipid replenishment and ceramide support, positioning around the oat-lipid advantage, and the available regulatory, safety, and compliance package.

## At a glance

| Attribute                    | Summary                                                                                    |
|------------------------------|--------------------------------------------------------------------------------------------|
| Ingredient / INCI            | CP Oat Oil — <i>Avena Sativa (Oat) Kernel Oil</i>                                          |
| Composition                  | Single-ingredient: 100% natural oat kernel oil; vegetable origin                           |
| CAS / EINECS                 | 84012-26-0 / 281-672-4                                                                     |
| Key constituents             | Linoleic acid (35–43%), natural vitamin E (tocopherols ≥100 mg/kg)                         |
| Form                         | Clear golden (yellow-green-brown) oil; natural oat odour; fast-absorbing, non-comedogenic  |
| Recommended use level        | As required (oil phase)                                                                    |
| Formulating pH / temperature | pH 4–8 · 25–75 °C                                                                          |
| Solubility                   | Miscible with other oils; suitable for all oil-based product forms                         |
| Safety (GHS/CLP)             | Not classified; not a dangerous good; combustible (flash point >180 °C)                    |
| Positioning                  | Ceramide- and vitamin-E-rich oat lipid for barrier repair and nourishment                  |
| Certifications               | Ecocert natural & organic / COSMOS, Non-GMO, gluten-free, allergen-free, not animal-tested |
| Shelf life                   | 24 months unopened; store cool/dry, protect from light                                     |

# 2. About the Manufacturer

Established in 1994, **Ceapro Inc.** is a Canadian biotechnology company recognized for premium, science-backed natural oat-derived ingredients. Ceapro operates a 30,000 sq. ft. GMP bio-processing facility in Edmonton, Alberta, offering integrated R&D, pilot-scale, and commercial production. The company is a subsidiary of COSCIENS Biopharma.

Ceapro's actives are manufactured under a quality management system aligned with **ISO 9001:2015**, and **EFfCI** good-manufacturing-practice frameworks. Proprietary green-processing technologies — ethanol fractionation, scalable chromatography, and Pressurized Gas Expanded (PGX) drying — allow Ceapro to concentrate oat bioactives into high-purity, consistent ingredients. Oats are sustainably grown in North America (the world's second-largest oat-producing region), supporting stable supply, competitive pricing, and full field-to-extract traceability.

**Trusted oat expertise**

Oat actives supplied to numerous global personal-care brands for 30+ years.

Multidisciplinary team: natural-product chemistry, microbiology, biochemistry, immunology, and chemical process engineering.

One-stop portfolio of oat-based actives and delivery systems, with R&D and QA support and fully customized formula solutions.

## 3. Ingredient Identification & Composition

### 3.1 Identification

| Parameter             | Value                                                                                 |
|-----------------------|---------------------------------------------------------------------------------------|
| Trade name            | CP Oat Oil                                                                            |
| Ceapro product number | 906-3003                                                                              |
| INCI name             | <i>Avena Sativa (Oat) Kernel Oil</i>                                                  |
| CAS number            | 84012-26-0                                                                            |
| EINECS / EC number    | 281-672-4                                                                             |
| Composition           | Single-ingredient: 100% natural oat kernel oil (vegetable origin)                     |
| Botanical source      | <i>Avena sativa</i> (oat kernel), non-GMO                                             |
| Extraction            | Extracted using natural ethanol (non-synthetic, undenatured food-grade type)          |
| Supply chain          | Oats grown in Northern Europe; oil extracted in Sweden and refined in the Netherlands |
| Physical form         | Clear golden (yellow-green-brown) liquid oil                                          |

**Note on sourcing:** unlike Ceapro's Canadian-manufactured oat actives, Oat Oil is produced through a European supply chain (Northern-European oats, extraction in Sweden, refining in the Netherlands). Some of Ceapro's general Canadian-facility declarations may therefore be product- or site-specific for this ingredient (see §8.2).

### 3.2 Composition

| Component (INCI / function)                                            | CAS No.    | EC / EINECS | Origin  | %   |
|------------------------------------------------------------------------|------------|-------------|---------|-----|
| <i>Avena Sativa (Oat) Kernel Oil</i> — emollient oil (sole ingredient) | 84012-26-0 | 281-672-4   | Natural | 100 |

**Active lipid chemistry:** oat kernel oil is rich in unsaturated fatty acids — predominantly linoleic acid (35–43%) with palmitic, oleic/vaccenic, stearic, and  $\alpha$ -linolenic acids — plus skin-compatible polar lipids, phytoceramides, and natural vitamin E (tocopherols). The full fatty-acid profile is given in §4.2.

## 4. Technical Specifications

### 4.1 Physical & Chemical Properties

| Property | Specification                            | Method |
|----------|------------------------------------------|--------|
| Colour   | Clear yellow-green-brown (golden) liquid | Visual |

| Property                      | Specification                           | Method          |
|-------------------------------|-----------------------------------------|-----------------|
| Appearance                    | Clear liquid oil                        | Visual          |
| Odour                         | Natural oat (Ceapro reference standard) | Sensory         |
| Peroxide value                | ≤ 15 mEq/kg fat                         | ISO 3960        |
| Iodine value                  | 86 – 123 g/100 g                        | ISO 3961        |
| Acid value                    | ≤ 10 mg KOH/g                           | ISO 660         |
| Saponification value          | 185 – 195 mg KOH/g                      | ISO 3657        |
| Free fatty acids              | ≤ 14 g/100 g                            | ISO 660         |
| Unsaponifiable matter         | ≤ 3 g/100 g                             | ISO 3596        |
| Total tocopherols (vitamin E) | ≥ 100 mg/kg                             | ISO 9936        |
| Density @ 20 °C               | 0.85 – 0.95 g/cm <sup>3</sup>           | ISO 6883        |
| Refractive index @ 20 °C      | 1.395 – 1.545                           | ISO 6320        |
| Brookfield viscosity @ 25 °C  | ≤ 100 cP                                | Internal Method |
| Turbidity                     | ≤ 100 NTU                               | Nephelometry    |
| Moisture (Karl Fischer)       | ≤ 0.3 % (w/w)                           | ISO 8534        |
| Residual ethanol              | < 500 ppm                               | ISO 9832        |

## 4.2 Fatty-Acid Profile

| Fatty acid              | Content     | Fatty acid       | Content       |
|-------------------------|-------------|------------------|---------------|
| 14:0 Myristic           | 0.1 – 0.5 % | 18:2 Linoleic    | 35 – 43 %     |
| 16:0 Palmitic           | 14 – 16 %   | 18:3 α-Linolenic | 1 – 1.5 %     |
| 18:0 Stearic            | 1 – 2 %     | 20:0 Eicosanoic  | 0.05 – 0.15 % |
| 18:1 (n-7) cis-Vaccenic | 0.2 – 0.6 % | 20:1 Eicosenoic  | 0.5 – 1 %     |

Linoleic acid (an essential ω-6 fatty acid) is the dominant constituent, supporting barrier lipids and skin comfort; the oil also carries phytoceramides and natural tocopherols that reinforce its barrier and antioxidant roles.

## 4.3 Microbiological Specifications

| Parameter                                                                                                                                                                                      | Specification  | Method    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------|
| Aerobic plate count                                                                                                                                                                            | Max 100 cfu/mL | EP 2.6.12 |
| Yeasts & moulds                                                                                                                                                                                | Max 100 cfu/mL | EP 2.6.12 |
| Pathogens absent ( <i>E. coli</i> , <i>P. aeruginosa</i> , <i>B. cepacia</i> , <i>Salmonella</i> , <i>Enterobacteriaceae</i> , <i>S. aureus</i> , <i>C. albicans</i> , bile-tolerant Gram-neg) | Absent         | EP 2.6.13 |

## 4.4 Representative Certificate of Analysis

Representative results from production lot **25J1 (Trans104/BTCH02)**, manufactured October 2025 (expiry October 2027), illustrate typical performance well within specification:

| Parameter | Specification                   | Result (Lot 25J1)   |
|-----------|---------------------------------|---------------------|
| Colour    | Clear yellow-green-brown liquid | Yellow-brown liquid |

| Parameter                | Specification                     | Result (Lot 25J1) |
|--------------------------|-----------------------------------|-------------------|
| Appearance / odour       | Clear liquid / reference standard | Clear / Pass      |
| Peroxide value           | Max 15 mEq/kg                     | 4.5               |
| Iodine value             | 86–123 g/100 g                    | 108               |
| Density @ 20 °C          | 0.85–0.95 g/cm <sup>3</sup>       | 0.92              |
| Refractive index @ 20 °C | 1.395–1.545                       | 1.473             |
| Saponification value     | 185.0–195.0 mg KOH/g              | 191.9             |
| Acid value               | ≤ 10.0 mg KOH/g                   | 4.3               |
| Residual ethanol         | < 500 ppm                         | NMT 500           |
| Aerobic plate count      | Max 100 cfu/mL                    | NMT 10            |
| Yeast and Mold           | Max 100 cfu/mL                    | NMT 10            |
| Pathogens                | Absent                            | Absent            |

A current lot-specific Certificate of Analysis accompanies every shipment. Values above are representative and not a guarantee of any specific lot.

## 5. Formulation Guidance

### 5.1 Key Formulating Parameters

| Parameter                     | Guidance                                                                                                                                              |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recommended use level         | As required — dose to the emollient, slip, and barrier/ceramide claim the formula targets (commonly ~1–10% of the oil phase; confirm to your system). |
| Formulating pH range          | 4 – 8 (the finished emulsion's pH; the oil itself is anhydrous)                                                                                       |
| Formulating temperature range | 25 – 75 °C                                                                                                                                            |
| Solubility                    | Oil-soluble; suitable for all oil-based product forms; add to the oil phase                                                                           |
| Incorporation phase           | Blend into the oil/lipid phase; can be added to the cool-down phase for light, fast-absorbing feel                                                    |
| Light / heat                  | Protect from light and heat; keep containers closed when not in use                                                                                   |

### 5.2 Incorporation & Compatibility

- **Add to the oil phase.** As an anhydrous emollient oil, it blends readily with other oils, esters, butters, and waxes; incorporate into the lipid phase of emulsions or use in anhydrous oils/balms.
- **Cool-down option.** Because it is a light, fast-absorbing oil, it can be added late/at cool-down to preserve its sensory profile and protect the tocopherols from prolonged heat. Note: Heat will help improve the miscibility of the mixture.
- **Antioxidant housekeeping.** It carries natural vitamin E, but as an unsaturated lipid it will still oxidize over time; keep peroxide value in check, avoid strong oxidizers, and consider added antioxidant support in demanding systems.
- **Wax may precipitate cold.** Natural waxes can precipitate on prolonged or cold storage; gently warm and mix to re-homogenize before use — this is a natural characteristic, not a defect.

- **Pairing.** A barrier/lipid partner to oat  $\beta$ -glucan (hydration), avenanthramides (soothing), colloidal oat, and other emollients; useful to soften and improve tolerance in retinoid and acid systems, and to smooth the cuticle in hair care.
- **Non-comedogenic feel.** Its light, non-greasy slip suits facial and leave-on formats where heavier oils would feel occlusive.

### 5.3 Suitable Applications

| Category                                                                                                                                                                                                                                                      | Representative formats                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Skin & body care                                                                                                                                                                                                                                              | Facial oils & serums, moisturizers, barrier/repair creams, balms, body and hand care, after-sun |
| Make-up & cosmetics                                                                                                                                                                                                                                           | Nourishing colour cosmetics, cleansing oils/balms, lip care                                     |
| Scalp & hair care                                                                                                                                                                                                                                             | Conditioners, hair oils/serums, cuticle-smoothing and shine treatments                          |
| Soaps & specialty                                                                                                                                                                                                                                             | Superfating in soaps; grooming and pet-care emollient formats                                   |
| <b>Formulator's note</b><br>Oat Oil is a lipid active, not just a carrier oil — its linoleic acid, phytoceramides, and natural vitamin E let a brand build a barrier-repair and ceramide-support story on a plant-based oil with an elegant, non-greasy feel. |                                                                                                 |

## 6. Clinical & Scientific Evidence

Oat oil's benefits trace to its lipid chemistry — essential fatty acids, phytoceramides, and natural vitamin E — and to oat lipids' documented role in supporting the skin's own ceramide production. The evidence below is provided to support formulation decision-making; finished-product claims remain the responsibility of the brand owner (see Section 10).

### 6.1 Mechanism & Benefit Profile

| Benefit                                           | Mechanism / basis                                                                                                                                                                   |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Deep nourishment &amp; lipid replenishment</b> | Replenishes skin lipids with essential fatty acids — chiefly linoleic and oleic/vaccenic acids — for lasting comfort and suppleness.                                                |
| <b>Strengthens the skin barrier</b>               | Supports healthy barrier function by encouraging the skin's natural lipid and ceramide production; oat oil is reported to activate PPAR- $\alpha/\beta/\delta$ and raise ceramides. |
| <b>Antioxidant defense</b>                        | Natural vitamin E (tocopherols) helps protect skin — and the oil itself — against oxidative/environmental stress.                                                                   |
| <b>Calms &amp; comforts</b>                       | Naturally soothing lipids help reduce the look of irritation; gentle enough for sensitive and compromised skin when well formulated.                                                |
| <b>Hair conditioning</b>                          | The ceramide-containing lipid fraction smooths the cuticle and supports manageability and shine.                                                                                    |

### 6.2 Benefit-Support Strength (Personal Care)

Relative strength of evidence for oat oil across common claim areas, as summarized in Ceapro's 2026 Product Overview:

| Benefit area                          | Support level                     |
|---------------------------------------|-----------------------------------|
| Barrier booster (repair / protection) | ★★★ Strong clinical / OTC support |

| Benefit area                              | Support level                     |
|-------------------------------------------|-----------------------------------|
| ↑ Skin ceramides (PPAR-driven synthesis)  | ★★★ Strong clinical / OTC support |
| Reduce inflammation & redness             | ★★ Supportive / adjunct           |
| Antioxidant / UV-stress support (not SPF) | ★★ Supportive / adjunct           |
| Non-comedogenic wear                      | ★ Limited / early data            |

Legend: ★★★ strong clinical/OTC support · ★★ supportive/adjunct · ★ limited/early data. Key source: Chon et al., *Exp Dermatol* 2015 / *JAAD* 2014 — oat oil activates PPAR- $\alpha/\beta/\delta$  and increases ceramides.

### 6.3 Evidence Base — Selected References

The literature below is grouped by benefit area. Oat oil's barrier/ceramide claims rest on a well-defined **PPAR-driven mechanism**; because these are cellular/mechanistic studies, applied concentrations are cell-level rather than topical percentages (see §6.4 for finished-product dosing).

#### Ceramide synthesis & barrier (mechanistic)

- **Chon et al. (2015)**, *Experimental Dermatology* 24(4):290–295 — an oat (*Avena sativa*) lipid extract activated the PPAR $\alpha$  and PPAR $\beta/\delta$  pathways, driving keratinocyte differentiation and upregulating ceramide synthesis (doi:10.1111/exd.12658). The core mechanism behind oat oil's barrier claims.
- **Oat oil PPAR / ceramide (2014)**, *J. Am. Acad. Dermatology* 70(5, suppl.) — “Oat (*Avena sativa*) oil activates the PPAR $\alpha$  and PPAR $\beta/\delta$  pathways, resulting in keratinocyte differentiation and upregulation of ceramide synthesis” (S0190-9622(14)00266-7).
- **Gombert et al. (2024)**, *Int. J. Cosmetic Science* — delivery and evaluation of an *Avena sativa* oat lipid extract on the skin barrier, using LC-MS/MS, Raman spectroscopy, immunostaining, and skin-efficacy testing (doi:10.1111/ics.70042).

#### Barrier & dry skin (clinical)

- Dry-skin barrier improvement with oat-oil-containing care (*JAAD*, S0190-9622(24)01528-7).
- Clinical moisturization / skin-relief regression study of oat-oil-containing formulations (manufacturer clinical dossier).

#### Composition & safety

- High linoleic-acid (35–43%) profile with phytoceramides and natural tocopherols underpins barrier replenishment and antioxidant activity (Ceapro spec; see §4.2).
- Safety Assessment of *Avena sativa* (oat)-derived ingredients as used in cosmetics (published safety assessment).

### 6.4 Recommended Use Levels & Dosing Context

Ceapro's Technical Data Sheet specifies Oat Oil at “as required” — a functional emollient dosed to the target sensory and barrier performance rather than to a fixed active percentage (see §5.1 for formulating parameters).

**Note:** the ceramide/PPAR mechanism is established at the cellular level, so no single topical percentage defines efficacy; dose to the emollient and barrier claim, keep peroxide value in check, and protect the oil's tocopherols from prolonged heat/light.

A complete, hyperlinked reference list for oat oil (and Ceapro's wider oat-actives portfolio) is available on request; see the 2026 Personal Care Product Overview.

## 7. Positioning: The Oat Lipid Advantage

Plant oils are plentiful, but few combine a recognized barrier-and-ceramide mechanism with an elegant, non-greasy feel and a trusted oat story. CP Oat Oil is a **functional lipid active**, not just a carrier — a differentiated emollient with a real mechanism behind its barrier claims.

| Differentiator                                                                                                                                                                                                     | What it means for the brand                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ceramide booster</b>                                                                                                                                                                                            | Reported to activate PPAR- $\alpha/\beta/\delta$ and increase skin ceramides — a mechanism-backed basis for barrier-repair positioning that most carrier oils lack. |
| <b>Linoleic-acid rich</b>                                                                                                                                                                                          | 35–43% linoleic acid supplies the essential $\omega$ -6 fatty acid central to a healthy barrier and skin comfort.                                                   |
| <b>Built-in antioxidant</b>                                                                                                                                                                                        | Natural vitamin E (tocopherols $\geq 100$ mg/kg) supports skin defense and helps protect the oil itself.                                                            |
| <b>Elegant, non-comedogenic feel</b>                                                                                                                                                                               | Light, fast-absorbing, non-greasy slip suits facial and leave-on formats where heavy oils feel occlusive.                                                           |
| <b>Multifunctional</b>                                                                                                                                                                                             | One oil serves skin, body, and hair (cuticle smoothing / shine), simplifying ranges and stories.                                                                    |
| <b>Portfolio synergy</b>                                                                                                                                                                                           | Completes the oat system alongside oat $\beta$ -glucan (hydration) and avenanthramides (soothing) for a full calm-hydrate-nourish narrative.                        |
| <b>Positioning takeaway</b><br>Positioned as the barrier/lipid member of the oat family, Oat Oil lets a brand claim ceramide support and lipid replenishment on a plant-based oil with a real mechanism behind it. |                                                                                                                                                                     |

## 8. Regulatory & Compliance

The following reflects Ceapro's declarations as supplied. Statements are provided in good faith for information; they do not constitute a legal guarantee of compliance in every jurisdiction, and finished-product clearance remains the brand owner's responsibility (Section 10).

### 8.1 Composition & Origin

Oat Oil is a natural oil derived from the kernels of the common oat (*Avena sativa*) and is therefore **completely vegetable in origin**. It is extracted using cellulose-derived ethanol and involves no genetically modified oat sources. The oat crop is grown in Northern Europe, the oil is extracted in Sweden, and it is refined in the Netherlands. Long-term stability is supported by internal monitoring of peroxide value, free fatty acids, microbiological stability, and organoleptic properties.

| Parameter  | Status                                                                                                  |
|------------|---------------------------------------------------------------------------------------------------------|
| INCI / CAS | <i>Avena Sativa (Oat) Kernel Oil</i> ; CAS 84012-26-0; EC 281-672-4; INCI Monograph ID 9315             |
| Origin     | 100% natural, vegetable; oats grown in Northern Europe, extracted in Sweden, refined in the Netherlands |
| GMO        | No genetically modified oat sources (non-GMO)                                                           |
| Extraction | Cellulose-derived ethanol                                                                               |

## 8.2 Chemical & Safety Status

| Framework                        | Status                                                                                                                                                                                                         |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safety classification (CLP/OSHA) | Not classified as hazardous (SDS v2.3). Combustible (flash point >180 °C); not a dangerous good for transport.                                                                                                 |
| REACH                            | No Annex XVII restrictions; contains no REACH candidate (SVHC) substance (per SDS). As a naturally-derived, non-chemically-modified oat extract, generally covered by the Annex V natural-substance exemption. |
| Chemical inventories             | Naturally-derived oat kernel oil (CAS 84012-26-0) — the oat extract is generally listed or exempt across major inventories; a product-specific statement is available on request.                              |

**Note on general declarations:** Oat Oil is produced through a European supply chain rather than at Ceapro's Canadian facility. Ceapro's general declarations that reference the Canadian site (e.g., PFAS, mineral oil, Proposition 65) may be site- or product-specific; the BSE/TSE declaration explicitly lists Oat Oil. Confirm the applicability of any specific general declaration to Oat Oil with Ceapro.

## 8.3 Compliance Declarations on File

The following declarations are available for this ingredient (product-specific and, where applicable, general):

| Declaration                 | Summary of statement                                                                                                                                  |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Composition & Origin (2026) | Single-ingredient <i>Avena sativa</i> (oat) kernel oil, 100% natural/vegetable; non-GMO; European supply chain; cellulose-derived ethanol extraction. |
| Stability declaration       | 24-month shelf life supported by long-term monitoring of peroxide value, FFA, microbiological, and organoleptic parameters (Oat Services Ltd, UK).    |
| Safety Data Sheet (v2.3)    | Not classified; combustible low-hazard; not a dangerous good; incompatible with oxidizers.                                                            |
| BSE / TSE                   | No materials of human or animal origin; no BSE/TSE risk substances (general declaration lists Oat Oil).                                               |
| Ecocert / COSMOS            | Natural & organic registration (per product information).                                                                                             |
| Non-GMO                     | No genetically modified oat sources.                                                                                                                  |
| Gluten-free                 | Oat varieties do not produce gluten (general declaration).                                                                                            |
| Allergen (cosmetic & food)  | EU Annex III fragrance allergens not intentionally used; product is fragrance-free (general declaration).                                             |
| Animal testing              | No animal testing of formulations (general declaration).                                                                                              |
| Non-comedogenic             | Non-comedogenic (per product information).                                                                                                            |
| Market access               | China-compliant (per product information).                                                                                                            |
| GMP                         | ISO 9001:2015 / EFfCI aligned QMS and GMP.                                                                                                            |

## 9. Safety Summary (SDS)

Summarized from the product Safety Data Sheet (v2.3, revised 25 January 2023), prepared per Regulation (EC) No. 453/2010 / 1272/2008 (CLP) and OSHA 29 CFR 1910.1200. The SDS is the controlling document; consult it in full before handling.

## 9.1 Hazard Classification

### GHS / CLP classification: Not classified

The product is **not classified as a hazardous substance** under Regulation (EC) No. 1272/2008 (CLP) or OSHA HazCom. No signal word, hazard statements, or precautionary pictograms apply. All GHS health-hazard endpoints are reported as not classified.

It is a combustible material of low hazard — it will burn only on heating above its flash point (>180 °C). The product is not volatile.

## 9.2 Handling, Reactivity & Transport

| Topic                         | Summary                                                                                                                                                    |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Stability                     | Stable under normal conditions of use.                                                                                                                     |
| Incompatibilities             | Oxidizing agents.                                                                                                                                          |
| Flash point / combustibility  | Flash point >180 °C; combustible low-hazard; keep away from strong heat/ignition above flash point.                                                        |
| First aid                     | Skin/hair: wash with water & soap. Eyes: rinse 15 min with running water.<br>Ingestion: give water if fully conscious; seek advice if discomfort persists. |
| Transport (ADR/RID/IMDG/IATA) | Not a dangerous good; no UN number, hazard class, or packing group. Maintain > 5 °C during transport.                                                      |
| Physical state                | Oily liquid; clear yellow-green-brown; pH not applicable (lipid, water-insoluble); density 0.85–0.95 g/cm <sup>3</sup> .                                   |

## 10. Handling, Storage & Supply

| Parameter              | Detail                                                                                                                                                                   |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage                | Store in a closed container at controlled room temperature in a well-ventilated area; protect from light and heat. Keep unused portion sealed in the original container. |
| Handling               | Non-hazardous material; combustible low-hazard. Keep containers closed when not in use.                                                                                  |
| Shelf life             | 24 months in unopened containers (stability-supported).                                                                                                                  |
| Pack size              | 20 kg                                                                                                                                                                    |
| Transport temperature  | > 5 °C                                                                                                                                                                   |
| Natural characteristic | Wax may precipitate on cold/prolonged storage; gently warm and mix to re-homogenize before use.                                                                          |

### 10.1 Regulatory & Claims Notice

**Ceapro supplies ingredients, not finished consumer products.** This dossier provides general technical, clinical, and regulatory information about an oat-derived ingredient and is not medical advice. Any benefits, claims, or impressions described are for concept illustration only.

The finished-product marketer is responsible for determining appropriate claims, substantiating them with adequate evidence, and ensuring that all packaging, advertising, and communications comply with applicable laws and guidance in the country of sale. Where claims are permitted only under specific conditions (e.g., a qualifying dose, format, or wording), those conditions must be met in the finished product.

Nothing herein is intended to diagnose, treat, cure, or prevent any disease. Final labeling, claims, and regulatory clearances remain the responsibility of the brand owner. Ceapro recommends regulatory and legal review prior to use of any claim language in market. Statements are provided in good faith and, to the best of Ceapro's knowledge, are true and correct, without warranty; purchasers should conduct their own tests to determine suitability for their intended application.

## 11. Sales & Technical Inquiries

Ceapro welcomes inquiries from brands, formulators, manufacturers, and development partners. Our team can help select and integrate the most appropriate oat active for your formulation, and can provide samples, current lot documentation, and formulation support.

| Contact        | Detail                                                 |
|----------------|--------------------------------------------------------|
| <b>Company</b> | Ceapro Inc. — a subsidiary of COSCIENS Biopharma       |
| <b>Address</b> | 7824 – 51 Avenue NW, Edmonton, Alberta, Canada T6E 6W2 |
| <b>Phone</b>   | +1 (780) 421-4555                                      |
| <b>Email</b>   | info@ceapro.com                                        |
| <b>Web</b>     | ceapro.com                                             |

## Appendix A. Source Document Register

This dossier consolidates the following Ceapro source documents. Current, signed/lot-specific versions are available on request and control over any summary herein.

| Document                                                                                                                                                                                                                                   | Type                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| CP Oat Oil — Specification Sheet                                                                                                                                                                                                           | Technical              |
| CP Oat Oil — Technical Data Sheet (TDS)                                                                                                                                                                                                    | Technical              |
| CP Oat Oil — Certificate of Analysis (Lot 25J1)                                                                                                                                                                                            | Quality                |
| CP Oat Oil — Safety Data Sheet (v2.3)                                                                                                                                                                                                      | Safety                 |
| CP Oat Oil — Composition & Origin Statement (2026)                                                                                                                                                                                         | Regulatory             |
| CP Oat Oil — Stability Statement (Oat Services Ltd, UK)                                                                                                                                                                                    | Quality                |
| Ceapro general declarations (BSE/TSE lists Oat Oil; plus allergen, CMR, gluten, halal, heavy metals, latex/paraben-free, mineral oil, PFAS, Prop 65, vegan, microplastics/nano, GMP, RSPO, Whole Foods — confirm applicability to Oat Oil) | Regulatory             |
| Ceapro 2026 Personal Care Product Overview (properties, clinical evidence & references)                                                                                                                                                    | Marketing / Scientific |