

CasEmol 17

(INCI: Heptadecane)

Alternative to cyclic siloxanes and emollient esters

Clear, colourless and low odour

Independent integrated supply

Product Description

CasEmol paraffinic emollients are a range of ultra-high purity linear alkane hydrocarbons for use in a wide range of cosmetic applications. **CasEmol** emollients offer clear, colourless and low-odour performance. They offer excellent formulation versatility across a wide pH range and exhibit good oxidative stability. The breadth of the **CasEmol** range delivers a wide scope of sensory and technical performance, from dry effect through silky and smooth to high moisture retention cushiony feel.

CasEmol 17 provides a balanced emollient profile—non-greasy yet rich enough to support barrier recovery. It offers gentle occlusion, making it suitable for sensitive skin and post-treatment applications. It sits between **CasEmol 12** and heavier agents like **CasEmol 22**, with a longer skin residence time than **CasEmol 14** but lighter feel than **CasEmol 18**.

It is the responsibility of the end-user to review the chemical control regulations for each country.

Applications

Applications:	Scalp drops, night creams, light conditioners, creamy concealers.
Features:	Long lasting, cushion and comfort, luxury sensorial
Use Level:	5-12% typical

Features and Benefits

- Balanced occlusion and spreadability – ideal for sensitive and barrier-damaged skin.
- Low sensitisation risk.
- Subtle skin softening – offers more cushion than shorter alkanes.
- Highest purity for consistent, high-performing results.
- Oxidatively stable in extreme pH formulas.
- Readily biodegradable.
- Independent integrated supply chain – giving true security of supply.
- Trusted partner – celebrating 100 years of chemical manufacturing in 2026.
- UK and US production centres – global network of sales offices – direct logistics.



Committed to Responsible Care

Thomas Swan
Consumer Actives

CasEmol 17

Physical and Chemical Properties

Chemical Name, Synonyms	n-Heptadecane, C ₁₇ H ₃₆
CAS Number	629-78-7
Molecular Weight	240.46 g/mol
Boiling Point	302 °C (575.6 °F)
Melting Point	21 °C (69.8 °)
Flash Point	121 °C (250 °F) (closed cup)
Viscosity	2.3 cP at 25 °C (77 °F)
Density	0.77 g/cm ³ at 20 °C (68 °F)
Odour	Slightly waxy
Colour	Colourless
Solubility	Soluble in most organic oils and solvents, insoluble in water

Mode of Action

Balanced Emollient – Provides a smooth, cushiony feel with moderate richness, ideal for leave-on care.

Texture Refiner – Enhances slip and softness without heaviness, improving overall sensory appeal.

Film-Forming Agent – Supports even distribution of actives and long-lasting comfort on skin or scalp.

Silicone Replacement – Offers the luxurious glide of dimethicone with improved biodegradability.

Stability Support – Helps maintain emulsion uniformity and texture in rich or creamy formulations.

Guidelines for Use

Scalp Drops – Use at 2–6% to deliver lightweight conditioning and smooth spread across the scalp.

Night Creams – Include at 5–10% for rich, velvety hydration and long-lasting softness.

Light Conditioners – Add at 3–8% to enhance detangling, shine, and a non-greasy finish.

Creamy Concealers – Use at 4–8% to improve spreadability, blendability, and smooth texture.

Packaging

Packaging specifications available on request.

Handling

Consult relevant Safety Data Sheet.

Shelf Life

12 Months.

Inventory Status

Australia (AICS)	Canada (DSL/NDL)	China (IECSC)	Indonesia	Israel	Japan (ENCS)	Korea (MEO/ECL/AREC)	Malaysia (EHSNR)	Mexico (INSQ)
✓	✓	✓	✗	✗	✓	✓	✗	✗
New Zealand	Philippines (PICCS)	Taiwan (TCSI)	Thailand (TDCA)	Vietnam (VNECI)	UK (REACH)	EU (REACH)	US (TSCA/FDA)	
✗	✓	✓	✗	✓	Not Registered	Registered	Active	

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