



***Perfluorodecalin***  
*anti-aging active*

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# Perfluorodecalin is an anti-aging active that can help reduce fine lines and wrinkles

## Perfluorodecalin

- Fully fluorinated perfluorocarbon.
- Ability to carry gases such as oxygen & carbon dioxide, creating a bubbling effect.
- Inert Material, insoluble in oil or water, creating a third phase in emulsions.
- Can be included in many types of skin care products, typically emulsions and serums.





**UN NUMBER**  
Not regulated in all  
transportation modes

**Perfluorodecalin**  
(Mixture of C<sub>10</sub>F<sub>18</sub> Isomers)  
CAS-No: 306-94-5  
Non-corrosive, non-toxic, non  
flammable liquid

Mass:	_____ g (Gross)
	_____ g (Nett)

**pelchem**  
*We're in your 100 ft<sup>2</sup>*

**PELCHEM (Pty) Ltd**  
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# Properties

- INCI: Perfluorodecalin (C<sub>10</sub>F<sub>18</sub>)
- CAS-No: 306-94-5
- Colourless and Odourless Liquid
- Melting point - 6.6°C (44°F)
- Boiling point - 141-143°C (286-289°F)
- Density (20°C) 1.941 g/ml
- Flashpoint >60°C
- Hydrophobic and Lipophobic

## Perfluorodecalin as:

### 1. Anti-aging active

Increases the volume of the dermis by 10%-15%, reducing the appearance of fine lines.

### 2. Dermal filler

Instantaneous dermal filling and muscle relaxation effect.



# Innovation

Pelchem is improving on technology to extend the Perfluorocarbon range

- Perfluorohexane
- Perfluorodimethylcyclohexane
- Perfluoroperhydrophenanthrene



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