

# HYCOS 80

High performance Synthetic Hard  
Wax for Personal Care  
applications

**BHT free**  
**Additives free**  
**Preservatives free**  
**Antioxidants free**

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## Pure excellence

**HYCOS 80** is the best alternative ingredient for the formulation of creams, ointments and balms for body, lip and haircare. It boasts outstanding properties in all stick applications.

It forms stable oil gels and improves the oil binding capacity with many other widely used cosmetic components and in particular with linear silicones, which are irreplaceable when it comes to innovative haircare products.

Obtained through dedicated synthesis under controlled conditions, its stable physical properties promote effective stable crystallisation, proper film formation and gloss, which are important for all stick applications, including antiperspirants, deodorants and lipsticks.

### The innovative ingredient for high-performance body care and stick applications.

**HYCOS 80** physical data, melting range close to 80°C, it's hardness and molecular structure reveal controlled melting behavior, ensuring easy and repeatable processes and performance.

**HYCOS 80** stabilizes emulsions and improves temperature resistance, even in sunscreen formulations and severe temperature conditions.

#### Approvals, Facts & Figures

- Compliant with EU Cosmetics Regulations
- Compliant with FDA 21 CFR 175.250
- CAS no.: 8002-74-2
- Preservatives and antioxidants free
- Shelf life: 5 yrs
- Form: Pastilles



## Ideal for Beauty and Body Care

**HYCOS80** is derived from natural gas. Unlike other products, purpose-made synthetic products possess maximum purity. By combining the latest technology, high performance and purity, we make sure that **HYCOS80** is the right choice for each of your requirements.

HYCOS 80	Unit	Specification
<b>Congealing point</b>	°C	80 - 85
<b>Needle penetration</b>	mm/10 [@ 25 °C]	4 - 9
<b>Drop point</b>	°C	83 - 95
<b>Viscosity</b>	mm <sup>2</sup> /s (100 °C]	7,0 - 11,0
<b>Saybolt color</b>		15 - 30
<b>Appearance</b>		White/colorless

## Benefits for all applications

### Synthetic hard wax

- Effective crystallisation for reliable stick production processes
- Film formation, gloss, oil binding and temperature stability enhancement in formulations
- Emulsion stability
- Formation of stable oil gels with linear silicons
- Odorless, inert and neutral, un-polar excipient
- No allergens





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