



## **BarGuard<sup>®</sup> OHS**

### **Innovation for the personal care market**

### **FP 5056**

#### **General**

**BarGuard<sup>®</sup> OHS** is a unique, caprylyl glycol based preservative, formulated specifically for use in emulsion based cosmetics.

Caprylyl glycol is a commonly used preservative in personal care. It does, however, have a relatively high melting point, making it difficult to work with. In addition “commodity grade” Caprylyl glycol has limited water solubility, making it an inefficient choice for water based emulsion formulations.

**BarGuard<sup>®</sup> OHS**, being a liquid at room temperature, simplifies handling and emulsification into complex formulations. By combining 1,2 octane diol with specialty designed solubilizing agents, the hydrophilic characteristics as much as 50%. This allows formulators to use significantly less material, while still maintaining the desired efficacy.

#### **Key Features**

- Liquid material- No special handling required
- Broad spectrum efficacy even in the most difficult applications
- Improved water solubility
- Suitable for both leave on and rinse off applications
- Free from hazardous ingredients including paraben, MIT, CIT/MIT and formaldehyde

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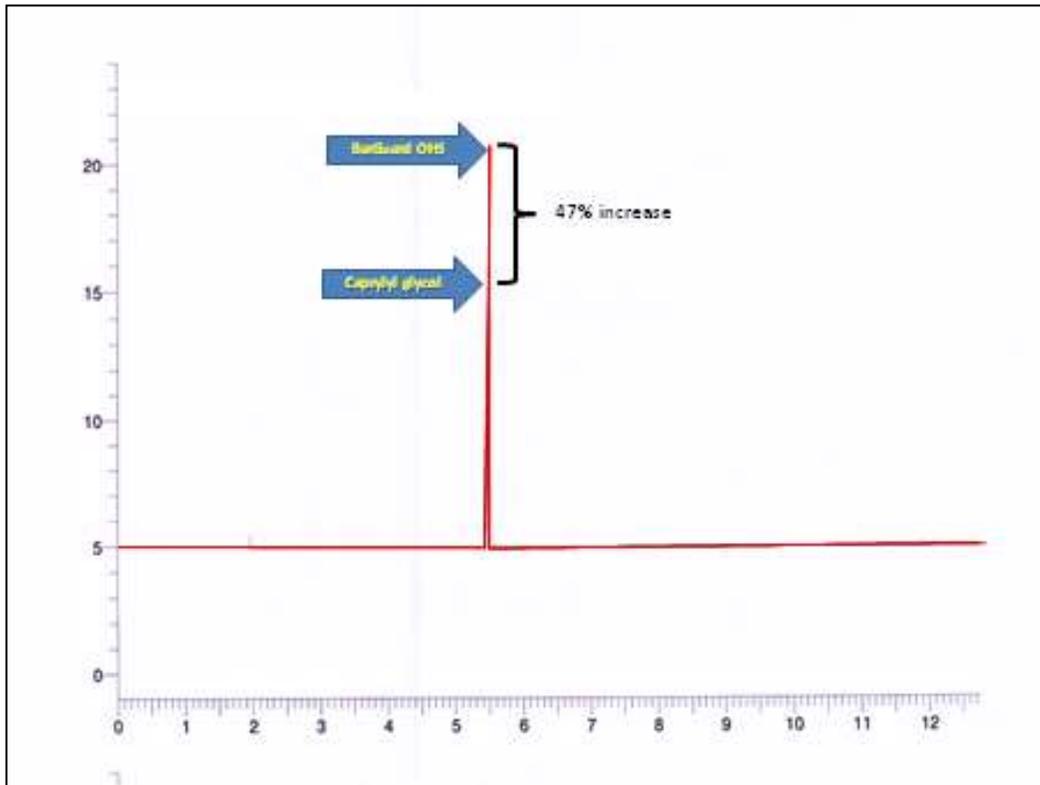
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## Typical properties

Appearance: Clear liquid at room temperature

Percent active: >95% by weight

Water solubility: > 60% by weight



**GC analysis showing improved water solubility of BarGuard OHS vs Caprylyl Glycol**

For more information, please visit [www.hampfordresearch.com](http://www.hampfordresearch.com)

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