

**Adeka Nol NHG:** Low Irritating Humectants

- ADEKA NOL NHG is new preservation booster for cosmetics and toiletries.
- ADEKA NOL NHG is novel glycol with bacteriostatic effect, high water solubility and lower skin irritation
- Polyols have been used as moisturizing agents. They are mixed in expectation of assisting preservation of cosmetics due to their antimicrobial activity.
- However, these polyols have disadvantages such as irritating property and low water solubility, making them difficult to be mixed.
- ADEKA NOL NHG is multifunctional humectants with low irritating property, excellent water solubility, and preservation boosting effect.

-INCI Name: Hexylglycerin

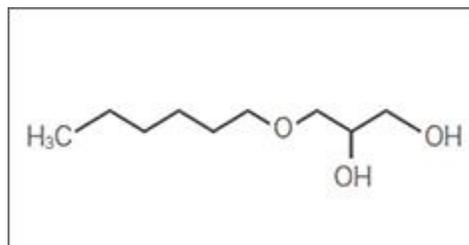
-Appearance: Light yellow liquid

-Purity : >99%

-C<sub>9</sub>H<sub>20</sub>O<sub>3</sub> : 176.25

-CAS No. 10305-38-1

-Packing Size: 17kg/can



**\*Physical Properties**

Purity	Appearance	Water solubility
99% or more	Pale yellow liquid	Approx. 1 wt%

#Contains 0.2% tocopherol as a stabilizing agent

**\*Features**

- ✓ Higher water solubility than methylparaben and other glycols with bacteriostatic property
- ✓ Not affected by pH
- ✓ Less Skin Irritation
- ✓ Improving moisture-retaining property
- ✓ Less influenced by oily ingredients

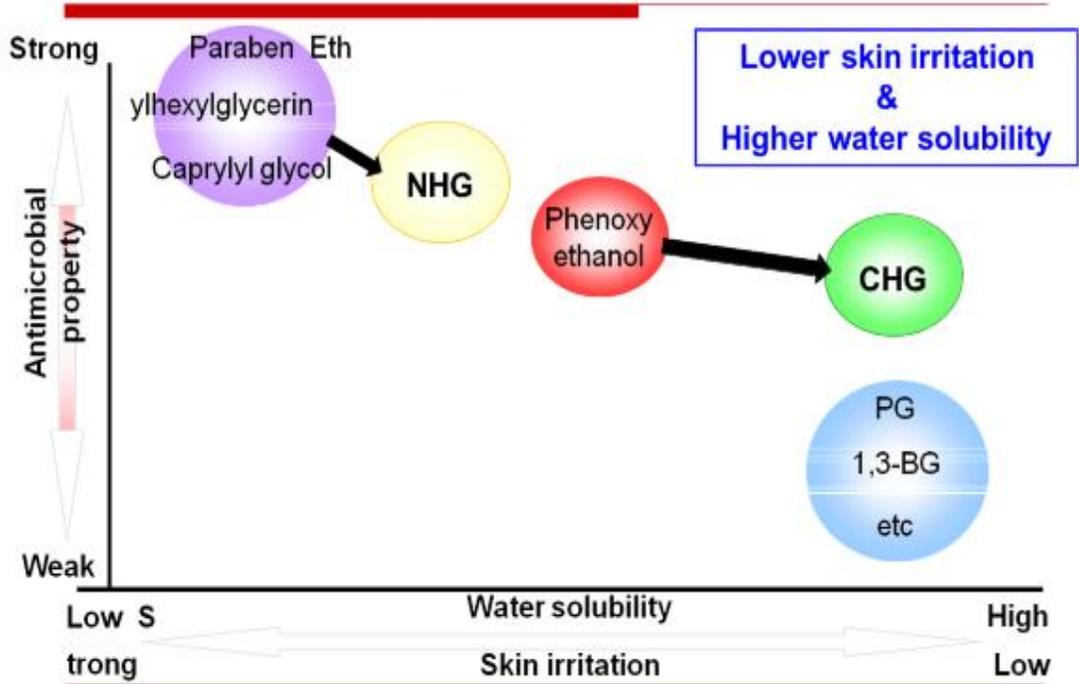
**ADEKA NHG & CHG – Characteristics**

<p>▪ <b>ADEKA NOL NHG</b> </p> <p>INCI name: Hexylglycerin</p> <chem>CCCCCCOCC(O)CO</chem>	<p><b>Performance</b></p> <ul style="list-style-type: none"> <li>• Mildly-irritation</li> <li>• High water solubility</li> <li>• Adequate effect for microorganism</li> </ul>
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<p>▪ <b>ADEKA NOL CHG</b></p> <p>INCI name: Cyclohexylglycerin</p> <chem>C1CCCCC1OCC(O)CO</chem>	<p><b>Functions</b></p> <ul style="list-style-type: none"> <li>• Emulsion stability</li> <li>• Low adsorption in/onto fabrics</li> <li>• Hair Moisturizing/Repair</li> </ul>

**Useful for preservative free system**

The new preservation booster for cosmetics : CHG & NHG

NHG & CHG ~ Function map ~



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-TDS, formulating guides attached