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Viscoplex® ppD for Food Grade Applications

- VIScoplEx® 1-135 is specially designed for use in Group III/White oil-based lubricants with incidental food contact
- VIScoplEx® 1-135 enables a wider use of White oils extending the operating window to very low temperatures
- The use of VIScoplEx® 1-135 in combination with NSF H1 White oils can be a cost effective alternative to synthetic base stocks to formulate high performance food grade lubricants

Keep your food process in motion.

To locate the Evonik oil Additives representative in your region, please visit www.evonik.com
Viscoplex® PPD for Food Grade Applications

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Evonik Oil Additives

Our Low Temperature Rheology Expertise

• With over 70 years of cold flow expertise, Evonik Oil Additives develops custom solutions to the lubricant industry’s most challenging low temperature applications
• Evonik Oil Additives VISCOPLEX® PPDs are developed based on our history of extensive studies on lubricant cold flow behavior
• Pour Point Depressants inhibit paraffin crystal growth in a lubricant resulting in significant improvements in low temperature performance
VISCOPLEX® 1-135
Performance in H1 White Oils

Commercial H1 White Oil/KV40 = 20cSt, PP = -18°C

Commercial H1 White Oil/KV40 = 23cSt, PP = -12°C
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**Viscoplex® 1-135**

- Viscoplex® 1-135 is specially designed for use in lubricants with incidental food contact.
- Viscoplex® 1-135 is particularly active in mineral Group III/White Oils.
- It is approved as NSF HX-1 as an additive in food grade lubricants up to a level of 1.75%.
- Typical treat rates for Viscoplex® 1-135 are between 0.2 and 0.5-wt.%.
- Viscoplex® 1-135 is manufactured according to GMP (Good Manufacturing Practice) at Evonik Oil Additives’ manufacturing site in Lauterbourg, France.

**Classifications**

<table>
<thead>
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<td>Components of an H1 formulation</td>
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<td>Not intended for use in places where there is possibility of food contact. Not in 21 CFR</td>
<td>Standard industry substances used for lubrication. No carcinogens, mutagens, teratogens, heavy metals or odours</td>
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*Code of Federal Regulations

Food Grade Lubricants

**Viscoplex® 1-135**

A PPD Designed for H1 Lubricants

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Food Grade lubricants

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