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## TECHNICAL BULLETIN

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# TRISURF LA 104

### DESCRIPTION:

**Trisurf LA 104** is a replacement for Nonyl phenol ethoxylate 9 mole EO. This surfactant blend closely matches the properties of NP 9 making it a good formulary replacement.

### TYPICAL PROPERTIES:

<b>Appearance:</b>	Clear Liquid
<b>pH (1% soln.):</b>	5.0-7.0
<b>Color:</b>	60 Max
<b>Moisture:</b>	0.5% Max
<b>Hydroxyl Value:</b>	82-93
<b>Odor:</b>	Mild Characteristic
<b>HLB:</b>	12.4

### GENERAL:

- Excellent biodegradability
- Good stability to strong acidic and alkaline conditions
- Strong emulsifying properties

### APPLICATION:

- Water soluble biodegradable surfactant used in a variety of toiletry, household and institutional cleaning formulations.
- Co-Emulsifier for fats, oils, and waxes.

### COMPARISON TO NP 9:

	NP-9	LA-104
Cloud Point (1%ag):	50-56 C	50-56 C
HLB:	12.9	12.4
Surface Tension:	30.8	30.4
Wetting (sec):	6.2	7.2

### STORAGE:

**Trisurf LA 104** should be stored in a sealed container and kept at temperatures above 40 F to stay liquid. Avoid overheating and freezing. Apply mild heating and agitation if material is frozen to ensure the product is homogeneous.

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