

COMPONENTS

HiTEC[®] 008

Seal Swell Agent



Suited for Industrial and Automotive Lubricants

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Application

HiTEC[®] 008 seal swell agent is an adipate ester which is specifically suited to industrial and automotive lubricants formulated with Group I, II, III or IV base oils. In addition HiTEC[®] 008 will lower pour points and aid the solubility of more polar additives.

Key Performance Benefits

- Strong seal swell activity
- Low odor
- Ashless, zero chlorine
- Solubility in Group I, II, III and IV base oils
- Increases solubility of many additive components
- Improves low temperature properties of finished lubricants

Recommended Dosage

HiTEC[®] 008 seal swell agent is recommended at dosages of 1.0% wt. to 15% wt. in lubricants depending on base oils and applications. Required treat rates may be influenced by a number of factors, including:

- Base oil
- Other additives present
- Elastomer composition
- Temperature
- Application

Please contact your Afton Chemical representative for specific recommendations.

Seal Swell Data – Group II Base Oil

	No Seal Swell Additive	Using 3% HiTEC [®] 008
Polyacrylate Elastomer		
Volume Change %	3.41	5.48
Hardness Change, points	0	-2
Nitrile Elastomer		
Volume Change, %	1.73	2.24
Hardness Change, points	-1	-1

Typical Characteristics

Density, lbs/gal.	7.63
Viscosity @ 100°C, cSt	3.5
Pour Point, °C	-54 max.
Flash Point, (COC), °C	200 min.

Handling Information

Max Handling Temp: 70°C
Shelf Life: 24 months @ ambient temperature