

# Infineum C9417

## Description

Infineum C9417 is a mixed primary/secondary zinc dialkyl dithiophosphate which provides good antiwear activity and bearing corrosion protection. It is particularly suitable for diesel and gasoline engine oil applications where good antiwear performance is required. Treat rates depend upon application and performance requirements.

## Typical Inspections

Property:	Value <sup>(a)</sup> :	Unit:	Method <sup>(b)</sup> :
Density @ 15 C, kg/m <sup>3</sup>	1125	kg/m <sup>3</sup>	ASTM D1298
Flash Point Deg C	95 Minimum	°C	ASTM D93A
Kinematic Viscosity @ 100 C	10.0	cSt	ASTM D445
Kinematic Viscosity @ 40 C	130	cSt	ASTM D445
Mineral Oil	25	%(m)	Calculated
Phosphorus	8.0	%(m)	ASTM D4927
Zinc	8.8	%(m)	ASTM D4927

(a)Not a specification, (b)Methods typically used by Infineum manufacturing plants

## Handling / Precautions

To minimize hydrogen sulfide evolution and/or decomposition:

- Do not blow with wet gas, and prevent any other contact with water.
- Do not heat the product. Facilities should be designed to handle ZDDPs without heating. If heating is necessary, a careful engineering review is essential to ensure that the product is not overheated, as overheating can result in hydrogen sulfide, mercaptan, and olefin evolution due to ZDDP decomposition. If the product is heated, it should be done by hot oil or water systems to, at most, the recommended maximum loading/unloading temperature. Steam at 0 psig (100 deg. C) should only be used if other means are not available and only if the product is agitated sufficiently to avoid high skin temperatures.
- Avoid air contact with the heated product because it may result in discoloration.

Min Load/Unload Temp:	10 °C (50 °F)
Max Load/Unload Temp:	60 °C (140 °F)
Vis @ Min Load/Unload Temp:	1,591 cSt
Vis @ Max Load/Unload Temp:	43 cSt
Minimum Storage Temperature:	10 °C (50 °F)
Maximum Storage Temperature:	40 °C (104 °F)
Do not reheat above:	60 °C (140 °F)

For detailed data please refer to the relevant MSDS.

## Further Information

For further information please contact your local Infineum affiliate or representative.

Version: 14 November 2012 (1.0)

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