

**ATOM CHEMICALS****AC-1402**

POUR POINT DEPRESSANT

AC-1402 is a pour point depressant that provides the most cost-effective solution to keep your automotive lubricants flowing in cold weather. It provides versatility needed to effectively treat wide range of new generation base stocks available in the market today and thus permits product rationalization. It is highly recommended for use in a wide variety of engine oils, gear oils, hydraulic and transmission fluids.

Typical Physical Properties	
Characteristics	Typical Value
Form	Organic Viscous Liquid
Colour	Yellow to Amber
Specific Gravity @ 25 °C	0.86 – 0.90
Flash Point	>120 °C

Typical Dosages in Finished Lubricants

Depending on the degree of depression desired and the pour point of the base oil to be treated, the typical dosages would range as follows:

Engine Oils	0.05 – 0.5% w/w
Gear Oils	0.20 – 1.0% w/w

Performance Characteristics

AC-1402 PPD has been evaluated (as per ASTM-D97) on various international sources of light and heavy base stocks. The average effect of increasing treat rates is tabulated in the table given as follows:

Pour Point of base stocks, °C				
Dose (%)	Core 100 Group I	Core 600 Group I	Chevron 100R Group II	Flint HIII-230 HC Group II
0.00	-21	-06	-12	-15
0.10	-21	-12	-27	-30
0.25	-27	-18	-30	-30
0.50	-30	-21	-33	-33
1.00	-30	-24	-36	-36



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Fluidity Improvement

AC-1402 PPD is also used as fluidity improver in lubricants which must meet stringent low temperature viscosity requirements under low shear rate conditions such as engine oils, hydraulic and transmission fluids and gear oils.

Base Stock Solubility and Compatibility

AC-1402 PPD is completely soluble in all new generation base stocks at any concentration. In finish lubricants they are compatible with other commonly used additives.

Packaging.

200 Liter drum
Bulk ISO



Progress to Zero Emissions