



## CHEMPOL 5177

### Silicon Base Foam Inhibitor

#### PRODUCT DESCRIPTION

CHEMPOL 5177, Silicon base antifoam inhibitor is prepared from Dimethylpolysiloxane polymers with linear chains. It can be used as Foam Inhibitor for motor oil formulations.

#### FEAUTRES

- ❖ Excellent thermal stability and good resistance to combustion
- ❖ Good dielectric properties
- ❖ Low freezing point
- ❖ High compressibility
- ❖ Good oxidation & shear resistance
- ❖ Absence of ageing under exposure to weather conditions
- ❖ Low variation of viscosity with temperature
- ❖ Non-miscible with most of organic materials
- ❖ Soluble in aromatic, aliphatic and chlorinated solvents and Insoluble in water and alcohols

#### RECOMMENDED DOSAGE

The recommended dosage is 30 to 50 ppm. Prepare a master batch as follows:

- ❖ Dodecylbenzene (Kerosene) (99.9) %wt
- ❖ CHEMPOL 5177 (0.1) %wt

The treat level range is between 0.030 to 0.050 %wt of the above master batch and depends on the quality of base oil being used.

#### PRODUCT CHARACTERISTICS

Item	Index	Typical Value	Test Method
Specific gravity @ 15°C, Kg/m <sup>3</sup>	950-990	980	ASTM D4052
Kinematic Viscosity (100°C) @ 25°C, mm <sup>2</sup> /s	>10000	12500	ASTM D445
Flash Point (COC), °C	≥300	>300	ASTM D92
Refractive Index	>1.30	1.403	ASTM D1807

#### PACKING, STORAGE AND TRANSPORTATION

Please refer MSDS of this product when storing, shipping, handling and using this product. It is nonflammable, non-explosive and non-corrosive. The highest storage temperature shall not exceed 75°C. For long term storage, the highest temperature shall not more than 45°C. For product details of safety, health and environmental precautions, please refer to the MSDS of this product.