

Product Information

Chlorinated Paraffin S52

Product Description:

Chlorinated paraffin S52 is a clear and pale-yellow liquid. Chlorinated paraffin is a complex mixture of polychlorinated alkanes obtained by chlorinating paraffin obtained from petroleum distillation. It is used as a lubricant additive because the chlorine reacts with metal forming a metal chloride film which 'smooths the surface', thus reducing friction. It is a non-flammable, non-corrosive and low volatility liquid at room temperature.

Applications:

Chlorinated paraffin S52 is typically used as an extreme pressure additive in machining, drawing and stamping fluids. It is used as a plasticizer in PVC. Its addition to paints, coatings and sealants improves their water and chemical resistance.

Typical starting point formulation guidelines (%weight):

Straight Oil (Machining)	3-10 %
Straight Oil (Drawing and Stamping)	5-30 %
Soluble Oil (Machining)	2-10 %
Soluble Oil (Drawing and Stamping)	5-15 %

Specifications

Parameters (units)	Specifications
Appearance	Clear & pale-yellow liquid
Color (APHA)	≤ 60
Chlorine content (%)	52 ± 0.2
Specific gravity, at 27 °C	1.270 ± 0.02
Viscosity, at 27 °C (Poise)	8 - 14
Heat stability, at 180 °C for 20 min	Yellow to dark yellow liquid
Volatiles content, at 180 °C for 4 hrs (%)	≤ 3
Acid number (mg KOH/g)	≤ 0.001
pH, of 10% aqueous solution	6.0 ± 0.5
Refractive index, at 27 °C	1.49 ± 0.02

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Packaging:

Material packaging options are available upon enquiry.

Storage:

Product should be stored in a dry place away from direct sunlight in sealed, original packaging.

Safety:

For further safety information refer to product SDS available from your Bisley International contact.

Disclaimer: This document is for information purpose only. Customers are responsible for testing and conforming the suitability of this product in their application. To the extent permitted by law, no warranty as to merchantability or fitness of purpose, expressed or implied, is made.

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