

Chlorinated Paraffin 710P

Product Description:

Chlorinated paraffin 710P 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 710P is typically used as an extreme pressure additive in machining, drawing and stamping fluids. It is used as a plasticizer and flame retardant additive 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 %

Specifications

Parameters (units)	Specifications
Appearance	Clear & pale-yellow liquid
Color (APHA)	60 - 80
Chlorine content (%)	51 - 52
Specific gravity, at 27 °C, approx.	1.280
Viscosity, at 27 °C (Poise)	12 - 15
Heat stability, at 180 °C for 30 min	Golden yellow liquid
Volatiles content, at 130 °C for 3 hrs (%)	≤ 0.10
Acid number, approx. (mg KOH/g)	0.0001
pH, of 10% aqueous solution, approx.	6.5
Refractive index, at 27 °C	≥ 1.540

Bisley International LLC
1790 Hughes Landing Boulevard Suite 400
The Woodlands 77380 TX USA
Phone number: +1 (844) 424 7539
Emergency telephone number: +1 855 237 5573

bisleyinternational.com

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Packaging:

Material is available in 220 - 275 HDPE/steel drums or in bulk isotainers. Further 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.

Global Headquarters

Sydney, Australia

Bisley & Company
Level 12, Tower B Citadel Towers
799 Pacific Highway
Chatswood NSW 2067 Australia
Phone: +61 2 8905 4200
Fax: +61 2 8905 4238
Email: australia@bisley.biz

Jakarta, Indonesia

PT Bisindo Kencana
Puri Indah
Financial Tower
9th Floor, Unit 09 Jalan Puri
Lingkar Dalam Blok
T8 Jakarta Barat 11610
Indonesia
Phone: +6221 530 7287

Bangkok, Thailand

Bisley Asia (Thailand) Co. Ltd.
Mahatun Plaza Building 18th Floor
888/186 Ploenchit Road
Lumpini, Pathumwan
Bangkok 10330
Thailand
Phone: +66 0 2689 6396
Fax: +66 0 2689 6394

Kuala Lumpur, Malaysia

Bisley Asia (M) Sdn Bhd
Co. Reg. No.:199201002123
(233627-U)
Suite 20-01 & 20-02B,
Level 20, The Pinnacle,
Persiaran Lagoon, 47500
Bandar Sunway, Subang Jaya Selangor,
Malaysia
Tel: +603-56244287/4289
Fax: +603-56244201

Dubai, United Arab Emirates

Bisley Chemicals Trading LLC
1802 B2B Office Tower
Business Bay
PO Box 9298
Dubai United Arab Emirates
Phone: +971 4 3310088
+971 4 3310111
Fax: +971 4 3310099

USA and Canada

Bisley International LLC
1790 Hughes Landing Boulevard
Suite 400
The Woodlands 77380 TX USA
Phone: +1 (844) 424 7539
Emergency telephone number:
+1 855 237 5573
Email: international@bisley.biz

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