

# Product Information

## Tri-Octyl Trimellitate (TOTM)

### Product Description:

Tri-Octyl Trimellitate, also known as TOTM, is a low odour, almost colourless oily liquid. It has good resistance to chemical agents, extraction by soapy water and sunlight, therefore it does not yellow easily. This product has low volatility, excellent electrical properties and great low and high temperature performance. It is a suitable substitute for polyester polymeric plasticizers where an improvement in processing is required. Not as compatible with as many secondary plasticizers as DOP.

### Applications:

Tri-Octyl Trimellitate is used as a primary plasticizer in PVC and PVC copolymers. Suitable for high temperature applications such as wiring, cabling and automotive interior trim, among other uses. It is used in the manufacture of internal electrical parts, flexible cable insulation, flexible PVC film, sheet and tape.

### Chemical Formula:

$C_{33}H_{54}O_6$

### CAS No. :

3309-31-1

### Specifications:

Parameters (units)	Specifications
Color (Pt-Co)	≤ 50
Volatiles, heated at 130 °C for 3 hrs (%)	≤ 0.10
Ester value (mg KOH/g)	303 - 310
Acidity (%)	≤ 0.030
Moisture (%)	≤ 0.10
Specific gravity, at 27 °C	0.985 - 0.995
Ester content (%)	≥ 99.50
Acidity, after heat treatment, approx. (%)	0.05
Plasticizing esters (% by area)	≥ 99.00
Residual alcohol (% by area)	≤ 0.10
Volume resistivity (Ω.cm)	$(5.0 \pm 1.0) \times 10^{11}$
Boiling point, at 7 mbar, approx. (°C)	283
Pour point, approx. (°C)	-46
Viscosity, at 20 °C (cP)	272 - 277
Flash point, approx. (°C)	250
Refractive index, at 27 °C	1.483 - 1.487

\*% denoted represents wt/wt %, unless noted otherwise

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](http://bisleyinternational.com)

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## Packaging:

Material is available in 200 kg iron drums, 225 kg HDPE drums and 20 - 22 MT Flexi tank/ISO tank/road tanker. Further packaging options may be available upon enquiry.

## Storage:

Product should be stored in a dry place away from direct sunlight in sealed, original packaging. This product has a shelf-life of 24 months.

## 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](mailto:australia@bisley.biz)

### Jakarta, Indonesia

PT Bisindo Kencana  
Puri Indah  
Financial Tower  
9<sup>th</sup> 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](mailto:international@bisley.biz)

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