



# Shanghai Jichuan Trading

## LM 301 Contact-Oil

### DESCRIPTION

LM 301 Contact Oil is a fully synthetic contact oil for micro-switches, switches with low contact pressures and plugs and connector strips. LM 301 Contact Oil does not contain silicones.

### PROPERTIES

- high level of compatibility with plastics (for plastics which are sensitive to stress cracking such as polycarbonates, polystyrenes or PMMA, it is advisable to carry out compatibility tests beforehand).
- compatible with elastomers
- wide temperature application range
- good electrical properties
- good resistance to ageing
- protects against corrosion
- silicone-free

### TECHNICAL DATA

Colour	: yellow		
Basis	: synthetic oil		
Density at 20 °C	: 1.0	g/cm <sup>3</sup>	DIN 51 757
Pour point	: -29	°C	DIN ISO 3016
Flash point	: 183	°C	DIN ISO 2592
Viscosity			DIN 51 562
at -20 °C	: 30,000	mm <sup>2</sup> /s	
at +40 °C	: 224	mm <sup>2</sup> /s	
at +100 °C	: 37.8	mm <sup>2</sup> /s	
Viscosity index	: 221		DIN ISO 2909
Evaporation loss	: 9.0 wt %	DIN 51581	
Water content	: < 0.25	wt %	DIN ISO 3733
Neutralisation number	: 0.04	mg KOH/g	DIN 51 809
Copper corrosion			
Specific electrical resistance at 20 °C	: 3.8 • 10 <sup>10</sup>	Ohm • cm	

### APPLICATION

LM 301 Contact Oil is used for lubricating and treating mechanical and electrical components in switches. One special area of application is micro-switches, switches with low contact pressures, plugs and connector strips. The product has good electrical properties, is very stable to ageing and is very compatible with plastics. It suppresses arcing and reduces wear even if the lubrication problems are purely

Shanghai Jichuan Trading Co.,Ltd.

Add: No 1201, Yin Hai Building, Caoxi Road, Xuhui District, Shanghai

24h Hotline: 15900706965

Fax: (86) 021-64513829

Website: [www.pingyiao.com](http://www.pingyiao.com)

E-mail: [info@jichuan.sh.cn](mailto:info@jichuan.sh.cn)



# Shanghai Jichuan Trading

mechanical. The product reduces the risk of current leakage due to its extremely low tendency to carbonise.

**Not suitable for silver contacts.**

## INSTRUCTIONS

Before treating with LM 301 Contact Oil, the contact surfaces must be clean and free from residues such as lubricants, dirt and moisture. Apply the product as a thin, uniform layer (by immersion, paint brush or spray). Suitable thinners: isopropanol and white spirit.

## AVAILABLE PACK SIZE

LM 301 Contact Oil

1 l can

Part No. 3229

Shanghai Jichuan Trading Co.,Ltd.

Add: No 1201, Yin Hai Building, Caoxi Road, Xuhui District, Shanghai

24h Hotline: 15900706965

Website: [www.pingyiao.com](http://www.pingyiao.com)

Fax: (86) 021-64513829

E-mail: [info@jichuan.sh.cn](mailto:info@jichuan.sh.cn)



# Shanghai Jichuan Trading

Shanghai Jichuan Trading Co., Ltd.

Shanghai Jichuan Trading Co., Ltd.

Add: No 1201, Yin Hai Building, Caoxi Road, Xuhui District, Shanghai

24h Hotline: 15900706965

Website: [www.pingyiao.com](http://www.pingyiao.com)

Fax: (86) 021-64513829

E-mail: [info@jichuan.sh.cn](mailto:info@jichuan.sh.cn)