

## ELECTRICAL CONTACT LUBRICANT 1010 (HK)

**Spanjaard Electrical Contact Lubricant 1010 (HK)** is a special product for lubricating electrical contacts.

### APPLICATIONS

Electrical contacts are often manufactured from relatively soft materials, which are subject to wear. The contact surfaces also oxidise which increases the electrical resistance.

**Spanjaard Electrical Contact Lubricant 1010 (HK)** is specially formulated to give low carbon forming tendencies and to lubricate and alleviate these problems and thus prolong contact life.

Spanjaard Electrical Contact Lubricant 1010 (HK):-

- Have good lubricating properties, even with heavy wiping contacts.
- Lowers resistance across contacts.
- Prevents tracking and shorting out.
- Eliminates arcing.
- Loosens and softens oxide films.
- Does not carbonize or form harmful deposits.
- Helps remove existing carbon deposits.
- Is not harmful to plastics and rubbers.
- Protects metal parts against corrosion.

Some of the above points may seem contradictory, in practice they are not. In a closed contact, the film of lubricant is squeezed thin. Because it is so thin, the current passes freely through the film across the contact. In fact, because the product takes up irregularities in the surface of the contact, resistance is lowered and effective contact area is increased.

When the contact begins to open, some of the grease strings across the gap, form bridges. As this happens, the electrical resistance increases from zero to infinity and the current is cut off. This takes place within a fraction of a millimetre and explains why no tracking or shorting out occurs in other instances. It is also this effect of

reducing the flow of current, which eliminates arcing.

This while **Spanjaard Electrical Contact Lubricant 1010 (HK)** does not normally allow current to flow through it, in the thin film squeezed between contacts, it allows the current to flow freely.

### APPLICATION INSTRUCTIONS

While current is switched off, clean contact with electrical solvent like Spanjaard Lectro-Kleen or Electric Motor Cleaner. Allow to dry and then smear or brush thin layer of **Spanjaard Electrical Contact Lubricant 1010 (HK)** onto contact surface.



## TYPICAL PROPERTIES

|  |              |
|--|--------------|
| Colour   | Beige        |
| Consistency - NLGI grade                       | 2            |
| Worked Penetration,<br>25°C, $\frac{1}{10}$ mm | 270          |
| Di-electric Strength, IEC/156, kV              | 25.3         |
| Thickener Base                                 | Lithium Soap |
| Drop Point, °C                                 | 162          |
| Oil Base                                       | Synthetic    |
| Operating Temperature                          |              |
| Continuous Service, °C                         | -20 to 250   |
| Short Period Peaks, °C                         | 300          |

## HANDLING AND STORAGE

Store under cover with lid closed away from vibrating floor. Remove excess from skin and wash with Spanjaard Hand Cleaner followed by soap and water.

## PACKAGING

500g, 5kg, 15kg

*CP/mg/Electrical Contact Lubricant 1010 (HK) – May 2016*

**Certified as an  
ISO 9001 Manufacturer  
by the SABS**

**Manufacturers & Distributors of  
Special Lubricants & Allied  
Chemical Products**

SPANJAARD UK LIMITED  
2 NEW STREET SQUARE  
LONDON  
EC4A 3BZ  
ENGLAND  
EMAIL: [sales@spanjaard.biz](mailto:sales@spanjaard.biz)  
WEBSITE: [www.spanjaard.biz](http://www.spanjaard.biz)

SPANJAARD LIMITED  
PO BOX 7294  
JOHANNESBURG  
2000  
SOUTH AFRICA  
TEL: +27 (0)11 386 7100  
EMAIL: [sales@spanjaard.biz](mailto:sales@spanjaard.biz)  
WEBSITE: [www.spanjaard.biz](http://www.spanjaard.biz)

**中国区销售和技术服务商：上海昆邦化工有限公司**

**电话：021-58528856 59923197 传真：021-58528166 E-mail：long@kunbond.com**