

## Cleansers and solvents

| Order code | Manufacturer code | Description                |
|------------|-------------------|----------------------------|
| 87-0605    | n/a               | 200ML CONTACT CLEANER (RE) |

|  |                          |
|--|--------------------------|
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| The enclosed information is believed to be correct, Information may change without notice due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E. | Revision A<br>20/02/2007 |

## Oxide-dissolving contact cleaning oil

### KONTAKT CHEMIE Kontakt 60

#### Description:

Cleaning agent for electrical contacts, with special additives for the dissolving of corrosion products.

#### General properties and applications:

KONTAKT CHEMIE Kontakt 60 is a contact cleaning oil which can be used to restore corroded electrical contacts. In aerosol form it is particularly suitable for service applications, it can be dispensed economically and accurately (with special spray tube). In addition to the corrosion-dissolving components, the spray contains a solvent mixture which also removes greasy or resinous residues. Problems with electrical contacts are caused in fact not just by corrosion but also by polluting gases which form coatings of low electrical conductivity on the contact surfaces ("polymers").

KONTAKT CHEMIE Kontakt 60 is also supplied as a concentrate. The concentrate is normally diluted with KONTAKT CHEMIE Kontakt WL and then has comparable properties with the aerosol. See also the special application instructions on page 2.

#### Technical data

|   |                 |                                   |
|---|-----------------|-----------------------------------|
| <b>Aerosol</b>  |                 |                                   |
| Flash point   | ASTM D 56       | < 0 °C                            |
| Density at 20°C                                       | FEA 605         | 0,774 g/cm <sup>3</sup>           |
| Colour  |                 | Red transparent                   |
| Evaporation Rate                                      | DIN 53 170      | ± 5                               |
| <b>Concentrate = active ingredients</b>               |                 |                                   |
| Flash point   | ASTM D56        | Circa 200 °C                      |
| Density at 20°C                                       | ASTM D 891      | 0,83 g/cm <sup>3</sup>            |
| Colour  |                 | Red transparent                   |
| Temperature Range                                     | In house method | 80 °C                             |
| Thinning Ratio<br>Kontakt 60 Concentrate / Kontakt WL |                 | 1 Volume Part /<br>7 Volume Parts |

**Directions :**

The easiest way to apply KONTAKT CHEMIE Kontakt 60 is to use the aerosol. A few droplets for each pair of contacts is generally sufficient.

The cleaning and oxide-dissolving action can be improved by mechanical support. If switching or connector contacts are readily accessible, they can be carefully wiped, for example, using cellulose, leather or cotton swabs.

If it is impossible to provide mechanical support, allow KONTAKT CHEMIE Kontakt 60 some 10 to 15 minutes to penetrate. Optimum results are obtained, if dissolved dirt and corrosion products are then rinsed off with KONTAKT CHEMIE Kontakt WL. After that, KONTAKT CHEMIE Kontakt 61 is applied as a protective film.

KONTAKT CHEMIE Kontakt 60 works in many cases even without after-treatment. However this increases the risk that corrosion damage will appear again after a short time. Contacts of fairly large plug connectors and robust relays can also be sprayed with KONTAKT CHEMIE Kontakt 40 to give them protection from corrosion. If you are certain that a contact is malfunctioning only because of contamination, resinification etc. and not due to corrosion, KONTAKT CHEMIE 61 can also be used directly without further pre-treatment.

When very large quantities of KONTAKT CHEMIE Kontakt 60 are being consumed, the use of the concentrate may be economic. It is diluted in accordance with the instructions.

When Kontakt 60 is used in serial production, plastics compatibility should be tested. Particular attention should be paid to plastics susceptible to stress-cracking (e.g. polycarbonate and polystyrene) and parts subjected to heavy mechanical loads.

Diluted solutions of KONTAKT CHEMIE Kontakt 60 and the aerosol spray contain flammable solvents. Therefore the liquids must not be sprayed onto energised equipment. The solvent must be completely evaporated before the equipment is started up again. A period of at least 15 minutes is to be allowed for this. Local conditions may require a longer drying time, particularly when there is an insufficient flow of fresh air to the places being treated. Further information on safety can be found in the safety datasheet.

For special uses it is also possible to apply KONTAKT CHEMIE Kontakt 60 concentrate undiluted. An injection spray or an appropriate dispenser, for example, is suitable for this. The cleaning action on organic deposits (oils, greases, resin residues), however, is not so good as with the aerosol and this for a solution diluted as described in the instructions. It is advantageous, because of the high flash point, the concentrate can be used when potential sources of ignition are present..

**Optimum contact cleaning in 3 phases**

**Phase 1:** Kontakt 60 dissolves corrosion layers and thereby restores metallic contact.

Without phases 2 and 3 it is possible for corrosion to occur again after a certain period of time. This depends on the material and the ambient conditions.

**Phase 2:** Kontakt WL washes away dissolved corrosion products, grease and dirt.

**Phase 3:** Kontakt 61 forms a thin protective film which inhibits corrosion and wear.

**Available :**

Aerosol : 200 ml, 400 ml

Bulk : 1 l, 5 l (concentrate)

These values are not intended to be used as specifications. They are based on information we believe reliable. However, it is the user's responsibility to determine the suitability