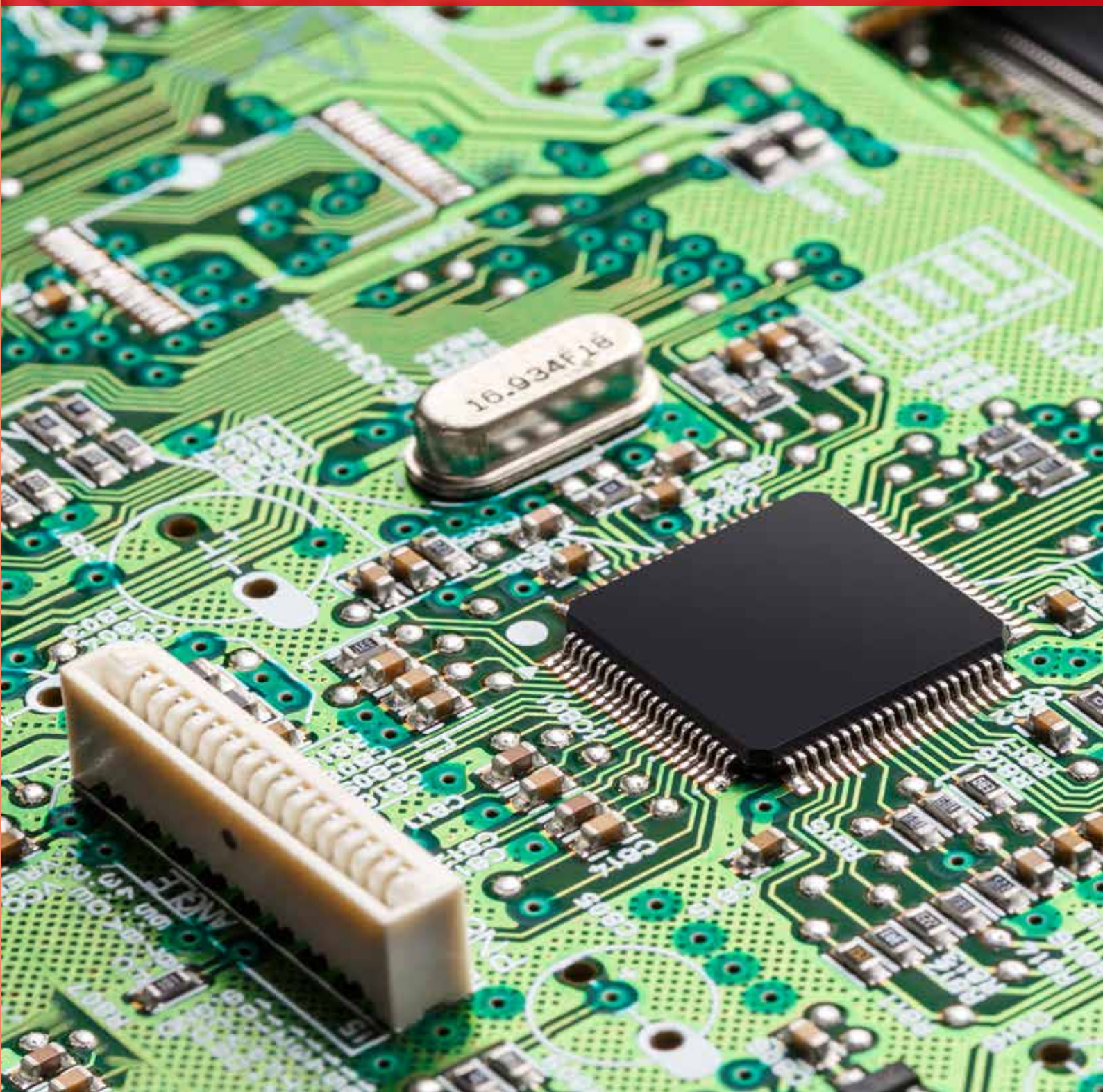


TECHNICAL AEROSOLS

For a broad range for applications from production to development



Cleaners

| Art. No. | Name | Size | Colour | Density | Residues | Odour | Material compatibility |
|----------|--------------|--------------|------------|---------------------------|-----------|-----------------------|---|
| 101 | Contactclean | 200ml, 400ml | reddish | 0,73 [g/cm ³] | oily film | characteristic | good |
| 102 | Cleaner | 200ml, 400ml | colourless | 0,67 [g/cm ³] | none | that of alcohol | good |
| 104 | Tuner | 200ml | colourless | 0,67 [g/cm ³] | none | characteristic, fresh | good |
| 105 | Spraywash | 400ml | colourless | 0,75 [g/cm ³] | none | that of alcohol | good |
| 106 | Degreaser | 200ml, 400ml | colourless | 0,83 [g/cm ³] | none | that of solvents | good, check compatibility with plastics |
| 107 | Flux-Off | 400ml | colourless | 0,84 [g/cm ³] | none | typical, mild | very good, Polycarbonat - only partially, Polystyrol and PVC - not compatible |
| 142 | Disc-Cleaner | 200ml | colourless | 0,79 [g/cm ³] | none | that of alcohol | very good |
| 402 | Isopropanol | 200ml, 400ml | colourless | 0,78 [g/cm ³] | none | that of alcohol | very good |

Protective and Lubricating agents

| Art. No. | Name | Size | Colour | Density | Viscosity | Temperature Range | Material Compatibility | Evaporation |
|----------|------------|-------|------------------|---------------------------|-----------------------------------|-----------------------------|------------------------|-------------|
| 110 | Top-Pin | 200ml | yellowish, clear | 0,67 [g/cm ³] | - | up to +300°C | very good | - |
| 111 | Sprayoil | 200ml | yellowish, clear | 0,78 [g/cm ³] | 10 [mm ² /s] (40°C) | -40°C up to +140°C | good | oily film |
| 112 | Silicone | 400ml | clear | 0,82 [g/cm ³] | 1.000 [mm ² /s] (25°C) | -50°C up to +200°C | very good | oily film |
| 113 | Sprayflon | 200ml | whitish | 0,72 [g/cm ³] | - | up to +250°C | very good | - |
| 114 | Vaseline | 200ml | white | 0,73 [g/cm ³] | - | solidification point: +53°C | very good | oily film |
| 115 | Protection | 400ml | bluish, clear | 0,73 [g/cm ³] | 67,4 [mm ² /s] (25°C) | yield point: -9°C | good | - |
| 151 | Cableglide | 400ml | clear | 0,72 [g/cm ³] | 1.000 [mm ² /s] (25°C) | -50°C up to +200°C | very good | oily film |
| 163 | Antikorr | 400ml | blu-green | 0,78 [g/cm ³] | 3 [mm ² /s] (20°C) | -180°C up to +210°C | good | film |

Lacquers







| Art. No. | Name | Size | Colour | Density | Coverage | Temperature Range | Dielectric Strength | Drying Time |
|----------|----------------|-------------|----------------|---------------------------|----------------------------|--------------------|---------------------|-------------------------------------|
| 120 | Plastic | 400ml, Bulk | clear | 0,88 [g/cm ³] | 5-8 m ² (400ml) | -70°C up to +120°C | 21 [kV/mm] | 25min - dust-dry, 48h - fully cured |
| 121 | Urethane | 400ml, Bulk | yellowish | 0,79 [g/cm ³] | 5-8 m ² (400ml) | -40°C up to +130°C | 82,9 [kV/mm] | 45min - dust-dry, 48h - fully cured |
| 122 | Isotemp | 200ml, Bulk | yellowish | 0,80 [g/cm ³] | 2-3 m ² (200ml) | -45°C up to +300°C | 110 [kV/mm] | 45min - dust-dry, 48h - fully cured |
| 124 | EMV-Lacquar | 200ml | that of copper | 0,60 [g/cm ³] | 1-2 m ² (200ml) | -40°C up to +95°C | - | 10min - dust-dry, 30min - usable |
| 126 | Positiv-Resist | 200ml | dark purple | 0,85 [g/cm ³] | 3-4m ² (200ml) | - | - | 30 - 60 minutes |
| 127 | Zinc | 400ml | dark grey | 0,95 [g/cm ³] | 5-8 m ² (400ml) | up to +500°C | 21 [kV/mm] | 30min - dust-dry, 24h - fully cured |
| 128 | Graphite | 200ml | black / grey | 0,88 [g/cm ³] | 2-3m ² (200ml) | -40°C up to +300°C | - | 10min - usable, 24h - fully cured |

Special Sprays

| Art. No. | Name | Size | Colour | Density | Material Compatibility | Flash Point | Other Details |
|----------|------------------------|------------------|------------|---------------------------|------------------------|---------------|--------------------------------------|
| 30 | Freezer Top | 200ml, 400ml | - | 1,20 [g/cm ³] | very good | non-flammable | cools down to minimum -50°C |
| 31 | Duster-Top | 200ml, 400ml | - | 1,20 [g/cm ³] | very good | non-flammable | pressure: 4,8bar |
| 132 | Screen | 400ml | white foam | 0,84 [g/cm ³] | auf Plastik | - | foam stability: over 30sec |
| 133 | Antistatic | 200ml | clear | 0,59 [g/cm ³] | very good | <0°C | - |
| 134 | Label-Off | 200, 400ml, Bulk | colourless | 0,69 [g/cm ³] | glass, metal, lacquers | - | not compatible: polystyrol, polyamid |
| 136 | Printer | 200ml | colourless | 0,69 [g/cm ³] | good | - | - |
| 139 | SDT-Spray | 200ml | colourless | 0,59 [g/cm ³] | very good | - | testing: twice a year (recomm.) |
| 143 | Screen TFT | 200ml | white foam | - | very good | - | foam stability: over 30sec |
| 146 | Freezer BR | 200ml, 400ml | - | 0,55 [g/cm ³] | very good | <0°C | cools down to minimum -50°C |
| 147 | Duster BR | 200ml, 400ml | - | 0,55 [g/cm ³] | very good | <0°C | pressure: 4,8bar |
| 48 | Booster | 500g | - | 1,20 [g/cm ³] | very good | non-flammable | pressure: 5,3bar |
| 801 | Mould Release Agent 99 | 10L | colourless | 0,89 [g/cm ³] | good | around 13°C | - |





Cleaners

mild to strong cleaners

| with oil | soft | medium | strong | soft purity of 99,9% | purity >99,9% |
|---|--|--|--|---|---|
| <p>1011411 200ml 1011611 400ml</p>  <p>Contactclean Highly effective oxide and sulphide dissolving contact cleaner. Corrosion protection.</p> | <p>1021411 200ml 1021611 400ml</p>  <p>Cleaner Universal electronic cleaner. Evaporates quickly and leaves no residues behind.</p> | <p>1051611 400ml</p>  <p>Spraywash For cleaning soiled contacts and components. Good creep and flow properties.</p> | <p>1061411 200ml 1061611 400ml</p>  <p>Degreaser Very effective cleaner, removes grease and oil. Effective also against wax.</p> | <p>1071611 400ml</p>  <p>Flux-Off Efficiently removes soldering residues from printed circuit boards.</p> | <p>1421411 200ml 4021611 400ml</p>  <p>Isopropanol Mild universal cleaner, removes dirt and grease. Also available in bulk.</p> |

Protective and Lubricating agents

for industrial needs

| plug contact | multifunctional | viscous | grease-free, PTFE-based | high purity | for contacts | lubricant for cables / wires | corrosion protection |
|--|---|--|--|---|---|---|--|
| <p>1101411 200ml</p>  <p>Top-Pin Protection for ensuring the function of thin plug contacts. Thin and resistant to heat.</p> | <p>1111411 200ml</p>  <p>Sprayoil Low viscosity multifunctional lubricating oil and corrosion protection.</p> | <p>1121611 400ml</p>  <p>Silicone Viscous, highly effective insulating and lubricating oil. Resistant within a wide temperature range.</p> | <p>1131411 200ml</p>  <p>Sprayflon Grease-free, dry lubricant on PTFE basis. Can also be used as mold release agent.</p> | <p>1141411 200ml</p>  <p>Vaseline Effective lubricant for chemically neutral towards all materials.</p> | <p>1151611 400ml</p>  <p>Protection Contains a combination of ingredients for a lasting prevention of wear and corrosion.</p> | <p>1511611 400ml</p>  <p>Kabelglide Lubricant for pulling cables and wires. Delivered with a flexible extension tube.</p> | <p>1631611 400ml</p>  <p>Antikorrr Highly effective, active corrosion protection oil. Penetrates into finest surface pores and gaps.</p> |

Lacquers

for daily needs

| UV-Indicator | protective lacquer | silicone insulating lacquer | shielding | photocopy lacquer | cold galvanising | graphite-based | Bulk |
|---|---|--|---|---|--|--|---|
| <p>1201611 400ml</p>  <p>Plastic High quality acrylic resin lacquer. Resistant to moisture, dilute acid, solvents and fungus.</p> | <p>1211611 400ml</p>  <p>Urethane Special resistant protective and insulating lacquer. Low dielectric constant and loss factor. Also available in bulk.</p> | <p>1221411 200ml</p>  <p>Isotemp Very temperature resistant silicone insulating lacquer. (up to +500°C.)</p> | <p>1241411 200ml</p>  <p>EMV-Laquer Effective shielding of electromagnetic influences. Contains copper particles.</p> | <p>1261411 200ml</p>  <p>Positiv Photocopy lacquer for marking printed circuits. Light-sensitive. Also available in bulk.</p> | <p>1271611 400ml</p>  <p>Zinc Cold galvanizing zinc-rich coating for corrosion and rust protection. Fast drying, dark grey colour.</p> | <p>1281411 200ml</p>  <p>Graphite Graphite-based lubricant lacquer. Adheres well to smooth surfaces, highly temperature resistant.</p> | <p>120841 1liter 120854 5liter 120860 20liter 120870 200liter</p> <p>Plastic Bulk High quality acrylic resin lacquer. Resistant to moisture, dilute acid, solvents and fungus. Available in bulk for large-area of applications/ to achieve thicker layer. Apply with brush or Spraygun.</p> |



Solvents

for Cramolin® Lacquers

| changing the layer thickness | for Plastic | for Urethane | for Isotemp |
|--|---|--|-------------|
| <p>401841 1liter</p> <p>According to the desired flow behavior, the corresponding quantity of solvent is to be mixed with the concentrat.</p> <p>Spray application: 1:1 Higher layer thickness: 3 parts concentrate to 1 part thinner.</p> | <p>405841 1liter 405860 20liter</p> <p>According to the desired flow behavior, the corresponding quantity of solvent is to be mixed with the concentrat.</p> <p>Spray application: 1:1 Higher layer thickness: 3 parts concentrate to 1 part thinner.</p> | <p>406841 1liter</p> <p>According to the desired flow behavior, the corresponding quantity of solvent is to be mixed with the concentrat.</p> <p>Spray application: 1:1 Higher layer thickness: 3 parts concentrate to 1 part thinner.</p> | |








Special Sprays

Duster / Freezer Aerosols

| non-flammable | flammable | non-flammable | non-flammable, extra-strong |
|---|---|---|--|
| <p>301411 200ml 301611 400ml</p>  <p>Freezer TOP Quick and reliable cooling down to -50°C, evaporates immediately. - non-flammable -</p> | <p>1461411 200ml 1461611 400ml</p>  <p>Freezer BR Quick and reliable cooling down to -50°C, evaporates immediately. - flammable -</p> | <p>311411 200ml 311611 400ml</p>  <p>Duster TOP For cleaning places of difficult access. Microscopically clean. - non-flammable -</p> | <p>1471411 200ml 1471611 400ml</p>  <p>Duster BR For cleaning places of difficult access. Microscopically clean. - non-flammable -</p> |

Special Sprays

for various special applications

| foam cleaners | static electricity | label remover | toner residues | Smoke Detectors | Mold Release | Spraygun for Aerosols |
|--|--|---|---|---|--|--|
| <p>1321611 400ml</p>  <p>Screen Foam cleaner for screens with antistatic effect.</p> | <p>1331411 200ml</p>  <p>Antistatic Prevents electrostatic charges on plastics and textiles efficiently.</p> | <p>1341411 200ml 1341611 400ml</p>  <p>Label-Off Removes adhesive labels easily and reliably. Also available in bulk.</p> | <p>1361411 200ml</p>  <p>Printer Removes ink, paper and toner residues easily from inkjet and laser printers.</p> | <p>1391411 200ml</p>  <p>SDT-Spray Ideal for professional testing of optical and photoelectric Smoke Detectors.</p> | <p>8018800 10Liter</p>  <p>Mold Release Agent 99 Silicone-free solution for separating rubber and plastic parts.</p> | <p>VAR SG1</p>  <p>Spraygun Transfers your regular Spraycan into a highly effective spray system. No more dirty finger tips.</p> |