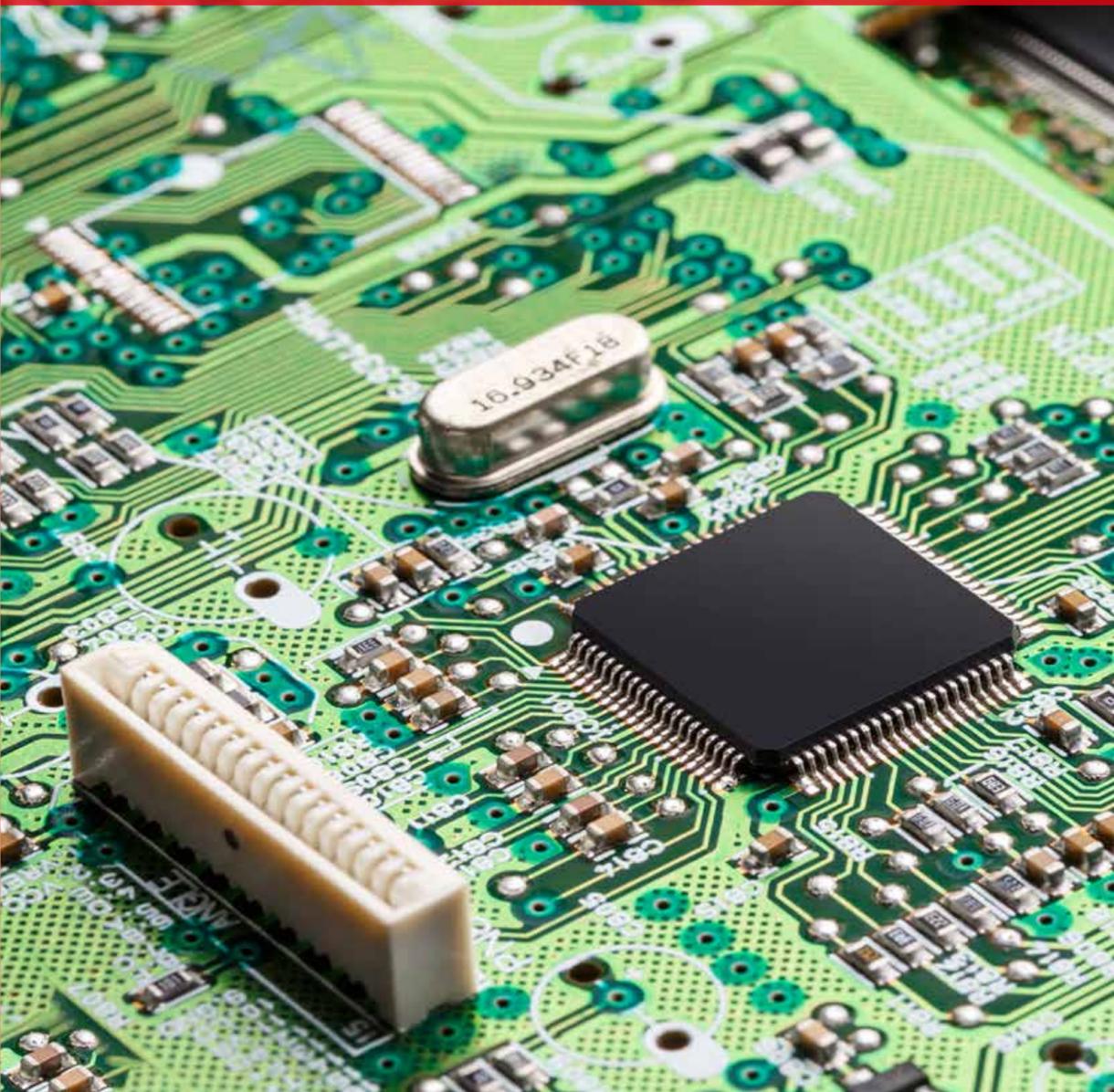


# TECHNICAL AEROSOLS

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 <sup>3</sup> ]	oily film	characteristic	good
102	Cleaner	200ml, 400ml	colourless	0,67 [g/cm <sup>3</sup> ]	none	that of alcohol	good
104	Tuner	200ml	colourless	0,67 [g/cm <sup>3</sup> ]	none	characteristic, fresh	good
105	Spraywash	400ml	colourless	0,75 [g/cm <sup>3</sup> ]	none	that of alcohol	good
106	Degreaser	200ml, 400ml	colourless	0,83 [g/cm <sup>3</sup> ]	none	that of solvents	good, check compatibility with plastics
107	Flux-Off	400ml	colourless	0,84 [g/cm <sup>3</sup> ]	none	typical, mild	very good, Polycarbonat - only partially, Polystyrol and PVC - not compatible
142	Disc-Cleaner	200ml	colourless	0,79 [g/cm <sup>3</sup> ]	none	that of alcohol	very good
402	Isopropanol	200ml, 400ml	colourless	0,78 [g/cm <sup>3</sup> ]	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 <sup>3</sup> ]	-	up to +300°C	very good	-
111	Sprayoil	200ml	yellowish, clear	0,78 [g/cm <sup>3</sup> ]	10 [mm <sup>2</sup> /s] (40°C)	-40°C up to +140°C	good	oily film
112	Silicone	400ml	clear	0,82 [g/cm <sup>3</sup> ]	1.000 [mm <sup>2</sup> /s] (25°C)	-50°C up to +200°C	very good	oily film
113	Sprayflon	200ml	whitish	0,72 [g/cm <sup>3</sup> ]	-	up to +250°C	very good	-
114	Vaseline	200ml	white	0,73 [g/cm <sup>3</sup> ]	-	solidification point: +53°C	very good	oily film
115	Protection	400ml	bluish, clear	0,73 [g/cm <sup>3</sup> ]	67,4 [mm <sup>2</sup> /s] (25°C)	yield point: -9°C	good	-
151	Cableglide	400ml	clear	0,72 [g/cm <sup>3</sup> ]	1.000 [mm <sup>2</sup> /s] (25°C)	-50°C up to +200°C	very good	oily film
163	Antikorr	400ml	blu-green	0,78 [g/cm <sup>3</sup> ]	3 [mm <sup>2</sup> /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 <sup>3</sup> ]	5-8 m <sup>2</sup> (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 <sup>3</sup> ]	5-8 m <sup>2</sup> (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 <sup>3</sup> ]	2-3 m <sup>2</sup> (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 <sup>3</sup> ]	1-2 m <sup>2</sup> (200ml)	-40°C up to +95°C	-	10min - dust-dry, 30min - usable
126	Positiv Resist	200ml	dark purple	0,85 [g/cm <sup>3</sup> ]	3-4m <sup>2</sup> (200ml)	-	-	30 - 60 minutes
127	Zinc	400ml	dark grey	0,95 [g/cm <sup>3</sup> ]	5-8 m <sup>2</sup> (400ml)	up to +500°C	21 [kV/mm]	30min - dust-dry, 24h - fully cured
128	Graphite	200ml	black / grey	0,88 [g/cm <sup>3</sup> ]	2-3m <sup>2</sup> (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 <sup>3</sup> ]	very good	non-flammable	cools down to minimum -50°C
31	Duster-Top	200ml, 400ml	-	1,20 [g/cm <sup>3</sup> ]	very good	non-flammable	pressure: 4,8bar
132	Screen	400ml	white foam	0,84 [g/cm <sup>3</sup> ]	auf Plastik	-	foam stability: over 30sec
133	Antistatic	200ml	clear	0,59 [g/cm <sup>3</sup> ]	very good	<0°C	-
134	Label-Off	200, 400ml, Bulk	colourless	0,69 [g/cm <sup>3</sup> ]	glass, metal, lacquers	-	not compatible: polystyrol, polyamid
136	Printer	200ml	colourless	0,69 [g/cm <sup>3</sup> ]	good	-	-
139	SDT-Spray	200ml	colourless	0,59 [g/cm <sup>3</sup> ]	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 <sup>3</sup> ]	very good	<0°C	cools down to minimum -50°C
147	Duster BR	200ml, 400ml	-	0,55 [g/cm <sup>3</sup> ]	very good	<0°C	pressure: 4,8bar
48	Booster	500g	-	1,20 [g/cm <sup>3</sup> ]	very good	non-flammable	pressure: 5,3bar
801	Mould Release Agent 99	10L	colourless	0,89 [g/cm <sup>3</sup> ]	good	around 13°C	-

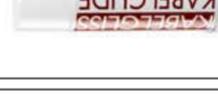
Cleaners

mild to strong cleaners

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

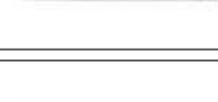
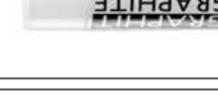
Protective and Lubricating agents

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><b>Top-Pin</b> Protection for ensuring the function of thin plug contacts. Thin and resistant to heat.</p>	<p>1111411 200ml</p>  <p><b>Sprayoil</b> Low viscosity multifunctional lubricating oil and corrosion protection.</p>	<p>1121611 400ml</p>  <p><b>Silicone</b> Viscous, highly effective insulating and lubricating oil. Resistant within a wide temperature range.</p>	<p>1131411 200ml</p>  <p><b>Sprayflon</b> Grease-free, dry lubricant on PTFE basis. Can also be used as mold release agent.</p>	<p>1141411 200ml</p>  <p><b>Vaseline</b> Effective lubricant for chemically neutral towards all materials.</p>	<p>1151611 400ml</p>  <p><b>Protection</b> Contains a combination of ingredients for a lasting prevention of wear and corrosion.</p>	<p>1511611 400ml</p>  <p><b>Kabelglide</b> Lubricant for pulling cables and wires. Delivered with a flexible extension tube.</p>	<p>1631611 400ml</p>  <p><b>Antikorrr</b> 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><b>Plastic</b> High quality acrylic resin lacquer. Resistant to moisture, dilute acid, solvents and fungus.</p>	<p>1211611 400ml</p>  <p><b>Urethane</b> Special resistant protective and insulating lacquer. Low dielectric constant and loss factor. Also available in bulk.</p>	<p>1221411 200ml</p>  <p><b>Isotemp</b> Very temperature resistant silicone insulating lacquer. (up to +500°C.)</p>	<p>1241411 200ml</p>  <p><b>EMV-Laquer</b> Effective shielding of electromagnetic influences. Contains copper particles.</p>	<p>1261411 200ml</p>  <p><b>Positiv</b> Photocopy lacquer for marking printed circuits. Light-sensitive. Also available in bulk.</p>	<p>1271611 400ml</p>  <p><b>Zinc</b> Cold galvanizing zinc-rich coating for corrosion and rust protection. Fast drying, dark grey colour.</p>	<p>1281411 200ml</p>  <p><b>Graphite</b> Graphite-based lubricant lacquer. Adheres well to smooth surfaces, highly temperature resistant.</p>	<p>120841 1liter 120854 5liter 120860 20liter 120870 200liter</p> <p><b>Plastic Bulk</b> 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><b>Freezer TOP</b> Quick and reliable cooling down to -50°C, evaporates immediately. - non-flammable -</p>	<p>1461411 200ml 1461611 400ml</p>  <p><b>Freezer BR</b> Quick and reliable cooling down to -50°C, evaporates immediately. - flammable -</p>	<p>311411 200ml 311611 400ml</p>  <p><b>Duster TOP</b> For cleaning places of difficult access. Microscopically clean. - non-flammable -</p>	<p>1471411 200ml 1471611 400ml</p>  <p><b>Duster BR</b> 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><b>Screen</b> Foam cleaner for screens with antistatic effect.</p>	<p>1331411 200ml</p>  <p><b>Antistatic</b> Prevents electrostatic charges on plastics and textiles efficiently.</p>	<p>1341411 200ml 1341611 400ml</p>  <p><b>Label-Off</b> Removes adhesive labels easily and reliably. Also available in bulk.</p>	<p>1361411 200ml</p>  <p><b>Printer</b> Removes ink, paper and toner residues easily from inkjet and laser printers.</p>	<p>1391411 200ml</p>  <p><b>SDT-Spray</b> Ideal for professional testing of optical and photoelectric Smoke Detectors.</p>	<p>8018800 10Liter</p>  <p><b>Mold Release Agent 99</b> Silicone-free solution for separating rubber and plastic parts.</p>	<p>VAR SG1</p>  <p><b>Spraygun</b> Transfers your regular Spraycan into a highly effective spray system. No more dirty finger tips.</p>