

# QUALITY SPRAYS

AND SPECIALIST ACCESSORY PRODUCTS



# Metaflex®



The triumphant march of the new aerosol technology began in Europe in 1955, with the first businesses being established specifically to manufacture sprays. For the next 20 years, this new sector concentrated on putting existing liquids and active ingredients into spray cans. In 1975, the Swiss company METAFLUX AG brought out a completely new design of spray, one which for the first time ever enabled problem-free coating of steel with zinc, achieving quality levels that exceeded all international standards. In the years that followed, METAFLUX took the development of metallic sprays further, using aluminium, stainless steel, brass, copper and titanium for surface coating and also developing metal-containing lubricating pastes. At the same time, the German METAFLUX sales organisation TECHNO-SERVICE GmbH in Bielefeld was being developed; the company has steadily adapted its office and storage areas to the expanding capacity requirements of its domestic and export business. As recently as 2007, the logistics centre was expanded to accommodate an additional 150 pallet bays. Today, two aerosol factories affiliated with METAFLUX AG apply their experience, gained from over 50 years and an annual capacity of 60-70 million cans, to ensure consistently high quality.

The METAFLUX product range comprises over 100 sprays developed in-house, and every year sees fresh innovations added to it. But one constant in all METAFLUX development is the emphasis placed on these three principles:

- The highest possible technical quality
- The lowest possible air contamination in the work-place
- Maximum consideration for the environment

Strict respect for these principles guarantees that METAFLUX sprays will continue to be an internationally leading product range going forward.

Metaflux is also your expert partner for:

- ▶ Industrial cleaners
- ▶ Industrial adhesives
- ▶ Welding products
- ▶ Cutting and grinding products

Your Metaflux customer number:



## Metaflux - compelling quality

Welcome to METAFLUX!

The combination of German and Swiss production and marketing companies creates an international brand with an emphasis on three principles worldwide:

- The highest possible technical quality
- A comprehensive production programme
- Individual customer advice and support

Metaflux products *repay the investment many times over*. Experience our high standards for yourself, and draw inspiration from this catalogue for any of the following:

- ▶ Metallic coatings
- ▶ Lubricants
- ▶ Multifunction sprays
- ▶ Welding protection
- ▶ Upkeep
- ▶ Maintenance
- ▶ Cleaning

We are pleased to offer on-site advice and assistance – just call us in!

Our outstandingly-trained technical consultants will be pleased to present our full range of products to you – naturally, without obligation.

**CHALLENGE US – WE DELIVER!**

# The principle behind the spray can

The principle behind the spray can is as simple as it is inspired: using the internal pressure of the spray can, its contents are released as an aerosol precisely at the time you press on the button.

The secret of how it works lies in the mix of the active ingredient (the actual product) and the liquid propellant inside the spray can: for this, one part of the propellant is dissolved in the active ingredient, and a second part sits as a gas like a "pressure pad" above the ingredient-propellant mix. If the button is depressed, the gas propellant forces the contents through the valve to the outside. At that instant, the propellant vaporizes in fractions of a second, and the active ingredient that is left behind is distributed very finely and evenly – just the way the user needs to have his product.

The fineness of these drops is only achieved using spray cans: the active ingredient is applied finely, economically and evenly and dries rapidly. Pump sprays cannot achieve these unique properties of aerosols, and are therefore unsuitable for many products.

### How a spray can is assembled

The basic component is generally a metal container: the actual spray can itself, in tinfoil or aluminium. The base of this can is concave, for two reasons:

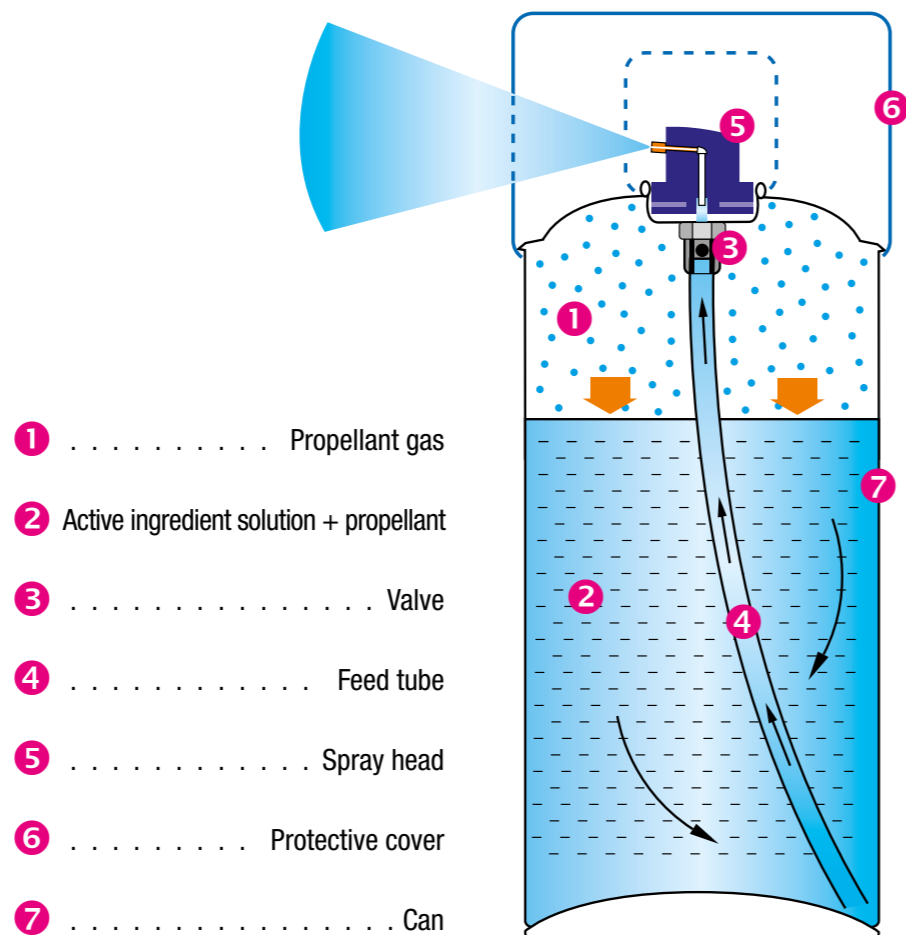
- For safety reasons: if overpressure is generated due to the strong influence of heat, it allows the base to bend outwards and thus alleviate the pressure. It means that the integrity of the spray can is not compromised despite the overpressure.

- For efficient use of the product: the vertical feeder tube running down the base against the inner wall of the can is able to reach the very last drops of the product when the base itself is concave.

The valve, the spray head and the protective cover are located at the top of the metal container: the valve and spray head are responsible for "atomising" the product and for precise dosing. The spray head is provided with a protective cover. The valve body is connected to a vertical feeder tube leading into the inside of the spray can. It extends down to the base and ensures that the can is emptied completely and evenly.

The gas phase inside the can also serves as an expansion space. This ensures that the filled aerosol can can even withstand temperatures up to +50 °C.

An essential element in aerosols is the liquid propellant or propellant gas, since this generates the pressure needed for spraying. And ultimately, the even the most sophisticated design would be nothing without the product. The active ingredient which is intended for spraying is similarly in liquid form and is mixed with the propellant or propellant gas in the can.



- 1 . . . . . Propellant gas
- 2 Active ingredient solution + propellant
- 3 . . . . . Valve
- 4 . . . . . Feed tube
- 5 . . . . . Spray head
- 6 . . . . . Protective cover
- 7 . . . . . Can

Copyright: Industriegemeinschaft Aerosole e.V.

**IMPORTANT NOTICE:** All information in this brochure is based on our extensive experience, gained over many years, in the manufacture of chemical products and their application. It is also based on external and internal testing in laboratories and in practical tests conducted in-house. Due to the variety of the products and their range of possible uses, we recommend that in the specific instance the proposed application is assessed on the basis of your own operational experience. Technical data sheets and safety data sheets are available for all products, in each case reflecting the latest knowledge and understanding. Further to this, there are corresponding recommendations on each individual product pack. Due to the range of possible applications, neither the manufacturer nor the marketing companies domestically or in other countries give a guarantee either expressly or tacitly as to particular outcomes from use of the product and the durability of same, or for the product lifetimes.

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## Symbol key

Free from copper and nickel	Permanently elastic adhesive	Prevents air contact	Water displacing
High pressure resistance	Frost resistant	Suitable for food use	Weather resistant
Non-flammable	Dermatologically tested	UV stable	Stainless steel
Prevents current leak	Product film on the internet	NSF Approved	Halal compliant

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# Skin Protection



See pages 54-59.

# NSF Certificate



We recommend products tested by the NSF not only for the areas of food, beverages, feed, or medical technology, but also for companies that are concerned with the well being of the environment.

# Publishing details

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Attention: all information and application examples in this prospectus are based on many years of experience in the manufacture of chernery products and their application. They also take care of external and internal tests in laboratories and in-house practice.

Because of the diversity of the products and their usability, we recommend using their own operating experience in every application. For all products, technical data sheets as well as safety data sheets for each newest star are available. Furthermore, there are corresponding methods on each individual pack.

Due to the wide variety of possible applications, neither the manufacturer nor the domestic and foreign sales companies give any express or implied warranty for certain application results and their shelf life or for the life of the products.

# Metallic Coatings

70-45

## Zinc Spray

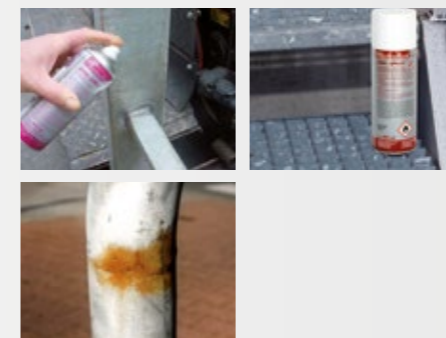
Colour	grey
Zinc content in dry film	93 % (+/- 1%)
Zinc purity	98.5 %



### Benefits

- Highest-quality corrosion-proof zinc coating
- No breaks in film cohesion
- No capillary cracks

### Applications



### Application areas

For zinc coating of metallic pure surfaces, providing a corrosion-resistant zinc coating. For repairs to damaged zinc coverings, weld seams and impacts during fitting, as a guiding intermediate layer when spot-welding, for all types of bodywork, for recoating drilled holes and weld seams, as a base coat for buildings exposed to atmospheric weathering, for agricultural facilities, port facilities, ship installations and similar.

### Packaging

**70-45** 400 ml spray can  
1 pack = 12 cans  
Colour sample



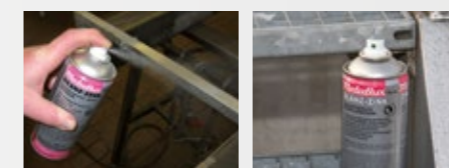
70-43

## Zinc Sheen Spray

Colour	silver-grey
Coverage	up to 8 m <sup>2</sup> (depending on thickness of coating)
Zinc/Aluminium content in dry film	96 % (+/- 1%)
Zinc purity	98.5 %



- Highest-quality shiny, corrosion-proof zinc coating
- Optimal mix, can be sprayed at any time
- Colour-tone matches fresh hot galvanization
- Self-cleaning all-round valve
- Colouring matches the ageing process in the base material



For shiny zinc coating of metallic pure surfaces, providing a corrosion-resistant zinc coating. For repairs to damaged zinc coverings, weld seams and impacts during fitting, as a guiding intermediate layer when spot-welding, for all types of bodywork, for recoating drilled holes and weld seams, as a base coat for buildings exposed to atmospheric weathering, for agricultural facilities, port facilities, ship installations and similar.

**70-43** 400 ml spray can  
1 pack = 12 cans  
Colour sample



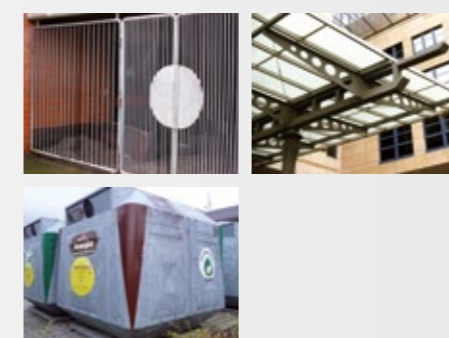
70-40

## Zinc Paste

Colour	grey
Zinc content in dry film	96 %
Zinc purity	98.5 - 99 %



- Corrosion-proof zinc coating
- Thick-layer application system
- Drying largely through exposure to O<sub>2</sub>
- No capillary cracks
- No deposition of zinc in the can
- Ready-to-use at all times
- No thinning required for airless spraying using nozzle size 4 or 5
- Up to 150 µm coat depth in a single work stage



For zinc coating of metallic pure surfaces, and for repair of damaged galvanised coatings.

METAFLUX Zinc Paste contains extremely little solvent. Respect the advice on the can.

Also available: METAFLUX 70-45 Zinc Spray with over 92% zinc content in the dry film.

**70-40** 1 kg can  
**70-4010** 10 kg bucket  
Colour sample



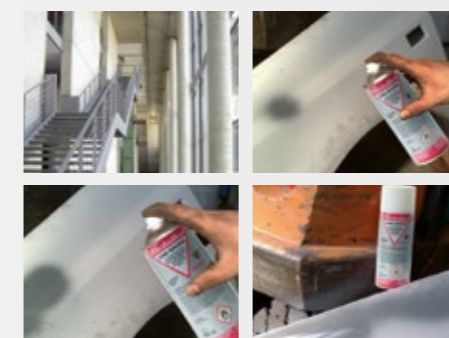
70-46

## Zinc Base Spray

Colour	grey
Coverage	up to 8 m <sup>2</sup> (depending on thickness of coating)
Zinc purity	98 - 99 %



- Corrosion-preventing zinc coating
- Fast-drying
- Firm bond
- Smooth surface
- Heat resistant to around 140°C



Zinc coating of metallic surfaces, especially for interiors and surfaces which are then to be painted.

**70-46** 400 ml spray can  
1 pack = 12 cans  
Colour sample



# Metallic Coatings



70-42

## Alu-Zinc Spray

Colour	silvery-grey
Drying	fast



### Benefits

- Metallic surface coating
- Combined corrosion protection using zinc and aluminium
- Fast-drying

### Applications



### Application areas

Metallic coating for all surfaces, repairs to galvanised coatings, use as a spot welding agent.

For particularly high-quality coatings in exterior areas, we recommend METAFLUX 70-43 Zinc Sheen Spray.

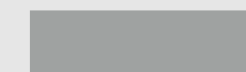
Also available: METAFLUX 70-41 Alu-Zinc Paste

### Packaging

70-42 400 ml spray can

1 pack = 12 cans

Colour sample



70-41

## Alu-Zinc - paint-ready -

Colour	silver-grey
Temperature resistance	up to 500 °C
Zinc purity	98.5 - 99 %



- Combined corrosion protection
- Drying mainly through exposure to O<sub>2</sub>
- No capillary cracks
- Can be painted over at any time
- Electrically conductive (spot welding)
- Airless spraying with no thinning required using nozzles size 3 or 4



Alu-zinc coating for metallically pure surfaces, for repairs to galvanised coatings, zinc-like shine.

1 litre sufficient for approx. 15 m<sup>2</sup> at 30 µm thickness.

70-41 1 l  
70-4110 10 l

Colour sample



70-16

## Liquid Aluminium Spray

Colour	aluminium colour, shiny
Temperature resistance	up to 800 °C
Pigment purity	99.5 %
Coverage	1 can for approx. 8 - 10 m <sup>2</sup>



- Large-area covering with ultra-fine aluminium lamina
- 99.5% pure aluminium
- Fast-drying
- Smooth surface (as for pure aluminium)
- Electrically conductive (spot welding)
- Thermic diffusion on steel above 825°C



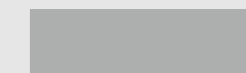
Pure aluminium coating of solid surfaces metal, wood, plastic etc.

For use in:  
Air-conditioning units, galvanised materials, furnaces, pipes, machine housings, tanks, truck superstructures, silos, exhaust units, car rims, weld seams etc.

70-16 400 ml spray can

1 pack = 12 cans

Colour sample



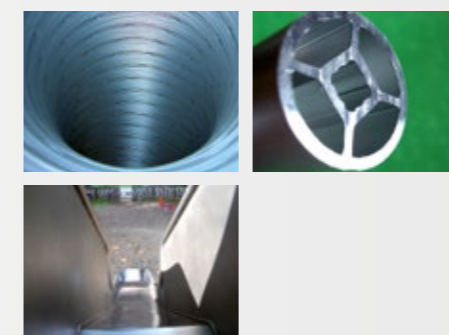
70-50

## Aluminium Spray

Colour	silver
Temperature resistance	up to 800 °C
Pigment purity	99.5 %
Thickness (at 20°C)	0.733 g/cm <sup>3</sup>



- Metallic surface coating
- Inhibits corrosion
- 99.5% pure aluminium
- Heat-resistant to 800°C

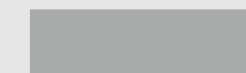


Aluminium coating for metallic surfaces and other smooth base surfaces.

70-50 400 ml spray can

1 pack = 12 cans

Colour sample



# Metallic Coatings

70-52

## Aluminium Spray, abrasion-resistant

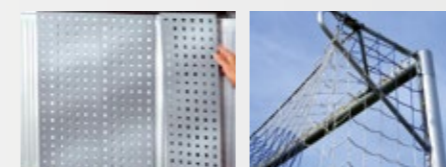
Colour	silver colour
Temperature resistance	up to 800 °C
Pigment purity	99.5 %
Thickness (at 20°C)	0.655 g/cm <sup>3</sup>



### Benefits

- Metallic surface coating
- Inhibits corrosion
- 99.5% pure aluminium
- Heat-resistant to 800°C

### Applications



### Application areas

Abrasion-resistant aluminium coating for metallic surfaces and other smooth base surfaces

### Packaging

**70-52** 400 ml spray can  
1 pack = 12 cans  
  
Colour sample

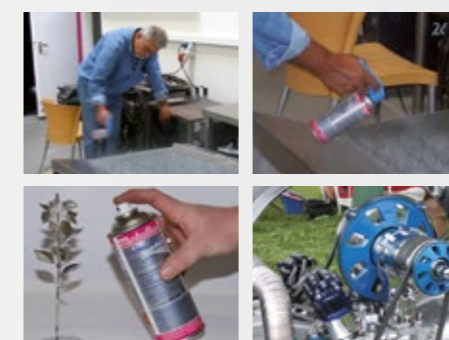
70-18

## Chromal Spray

Colour	silver / chrome colour
Thickness (at 20°C)	0.655 g/cm <sup>3</sup>



- Metallic surface coating
- Excellent coverage
- Temperature resistant to 400°C



Metallic high sheen (chrome effect) for repairs and surface appearance upgrades on metallic base surfaces, wood and most plastics, e.g for galvanised work-pieces, in air-con and ventilation engineering, for pipes, machine housings, etc.

**70-18** 400 ml spray can  
1 pack = 12 cans  
  
Colour sample

70-56

## Stainless Steel Spray

Colour	stainless steel colour
Temperature resistance	up to 300 °C
Percentage of metal in dry film	62 %



- Metallic surface coating with extremely high stainless steel content
- The corrosion-resistant stainless steel coating from the can combines the benefits of a high-alloy stainless steel with those of a weatherproof artificial resin, lending the surface a metallic sheen



Secure adhesion to all metals and onto wood, reinforced card, glass, ceramics and most plastics.

Clean the surface. Remove all rust, oil and grease; firmly-adhering paint or varnish can be oversprayed.

Chrome 18%, nickel 8%, manganese 2%

**70-56** 400 ml spray can  
1 pack = 12 cans  
  
Colour sample

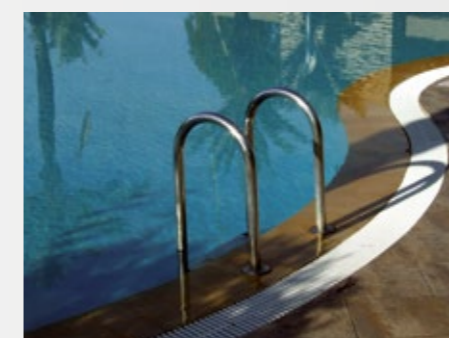
70-78

## Stainless Steel Finish Spray

Colour	stainless steel colour
--------	------------------------



- Metallic surface coating
- Weatherproof and corrosion-resistant
- Largely abrasion-resistant
- Fast-drying



Secure adhesion to all metals and onto wood, reinforced card, glass, ceramics and most plastics.

Clean the surface. Remove all rust, oil and grease.

**70-78** 400 ml spray can  
1 pack = 12 cans  
  
Colour sample

# Metallic Coatings

70-57

## Copper Spray



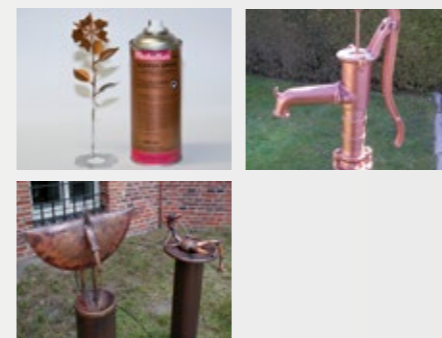
Colour	Copper
Temperature resistance	up to 800 °C
Metal content in dry film	~56 %



### Benefits

- Metallic surface coating
- Extremely high copper content of 56% in dry film
- Not a paint, but a metallic suspension
- Very good conductivity (not in the surface)

### Applications



### Application areas

Metallic coating with secure adhesion to metal, glass, wood, paper, ceramics, plastics and all other clean solid surfaces.

### Packaging

**70-57** 400 ml spray can  
1 pack = 12 cans

Colour sample



70-58

## Brass Spray



Colour	Brass
Metal content in dry film	~67 %



- Metallic coating
- Extremely high brass content of ~67% in dry film
- Not a paint, but a metallic suspension



Metallic coating with secure adhesion to metal, glass, wood, paper, ceramics, plastics and all other clean solid surfaces.

**70-58** 400 ml spray can  
1 pack = 12 cans

Colour sample



70-49

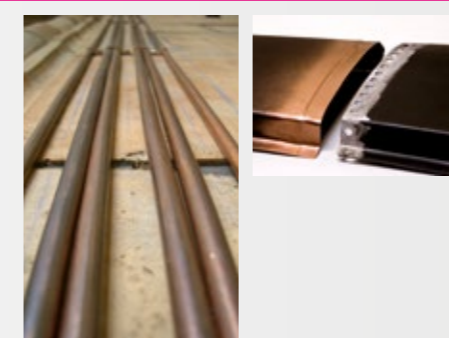
## Copper Spray



Colour	Copper
Thickness	0.66 g/cm <sup>3</sup>



- Metallic coating
- Improves the ignition contact (even when spot welding)
- Adheres securely to metals and all solid surfaces
- Also suitable for installation and decoration works
- Fast drying
- Economical in use



Double corrosion protection for all welding work:

1. Protection by high copper metal content
2. Protection by the synthetic resin layer
3. Vehicle bodies, containers, housings, covers, shells, etc.

Spray on a clean surface or welding area.

**70-49** 400 ml spray can  
1 pack = 12 cans

Colour sample



70-10

## Tinning Paste



Colour	silver grey
Thickness	0,89 g/cm <sup>3</sup> at 20 °C



- Leaded metal powder according to DIN EN ISO 9453: 2014
- Based on zinc chloride and ammonium chloride in organic preparation with metal powder
- Fluxes according to DIN EN 29454-1, 3.1.1.C. No. 21
- Immediately usable
- Metal content does not settle
- Metal content: 60 to 70%

Ready-to-use soft solder metal paste for soldering, tinning and pre-tinning.

Apply paste with a brush on the part to be tinned thinly and heat evenly. Then wipe off the flux layer with a damp cloth.

Following this, the layer thickness can be increased with rod or wire solder.

**70-10** 1 kg can



# Corrosion Protection

## Passive corrosion protection









Passive corrosion protection is of paramount importance for maintaining the functionality of machines and components. Here, metallic surfaces are covered with a continuous dense layer, which prevents contact with corrosive substances. In addition to chemical surface treatment (such as by chromating), anti-corrosion coatings offer damage prevention.

METAFLUX corrosion protection products are designed to treat metal surfaces to permanently protect them from corrosive substances. Rust, for example, is converted into a stable compound with the metallic surface then overpaintable.

## Effective protective measures

- Corrosion protection of bare steel parts  
Polished or polished surfaces of steel components are protected against environmental influences during transportation or during storage with a corrosion protection oil or wax.
- Anti-corrosion coatings and overcoatings  
Machine parts, welds or linings made of sheet metal are protected by a coherent layer (paint / coating) from contact with corrosive substances in the environment (eg aluminum spray, zinc sprays, stainless steel spray, rust protection spray, etc). The protection period is usually many years with proper pretreatment of the surface.



	70-37	70-44	70-34 & 70-63																		
	<b>Rust Safe Spray</b>	<b>Rust Safe Spray, grey</b>	<b>Rust Protection TS 400</b>																		
	<table border="1"> <tr><td>Colour</td><td>Reddish brown</td></tr> <tr><td>Temperature resistance</td><td>up to 120 °C</td></tr> <tr><td>Salt spray test according to DIN 50.021</td><td>600 hours</td></tr> </table>	Colour	Reddish brown	Temperature resistance	up to 120 °C	Salt spray test according to DIN 50.021	600 hours	<table border="1"> <tr><td>Colour</td><td>grey</td></tr> <tr><td>Temperature resistance</td><td>up to 120 °C</td></tr> <tr><td>Salt spray test according to DIN 50.021</td><td>600 hours</td></tr> </table>	Colour	grey	Temperature resistance	up to 120 °C	Salt spray test according to DIN 50.021	600 hours	<table border="1"> <tr><td>Colour</td><td>reddish brown / light grey</td></tr> <tr><td>Storage temperature</td><td>5 to 40 °C, protect from frost</td></tr> <tr><td>Application temperature</td><td>4 °C to 40 °C optimal range: 15 °C-28 °C</td></tr> </table>	Colour	reddish brown / light grey	Storage temperature	5 to 40 °C, protect from frost	Application temperature	4 °C to 40 °C optimal range: 15 °C-28 °C
Colour	Reddish brown																				
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Storage temperature	5 to 40 °C, protect from frost																				
Application temperature	4 °C to 40 °C optimal range: 15 °C-28 °C																				
																					
	<b>Benefits</b> <ul style="list-style-type: none"> <li>• Corrosion protection for metal surfaces</li> <li>• Excellent adhesion even on rust</li> <li>• Good penetration resistance</li> <li>• Can be painted over with all paints and varnishes</li> <li>• Resistant to acids and alkalis</li> <li>• Good UV stability</li> <li>• Immersion resistant</li> </ul>	<ul style="list-style-type: none"> <li>• Corrosion protection for metal surfaces</li> <li>• Excellent adhesion to rust</li> <li>• Quick drying, dust-dry depending on layer thickness after approx. 10 minutes (at 20 °C)</li> <li>• Good weldability</li> <li>• Can be painted over with all paints and varnishes</li> <li>• Resistant to acids and alkalis</li> <li>• Good UV stability</li> </ul>	<ul style="list-style-type: none"> <li>• Quick-drying protective primer for all metals</li> <li>• Protects safely and permanently</li> <li>• Adheres easily to all bare, metallic surfaces</li> <li>• Recoatable with all conventional paints and varnishes</li> <li>• Suitable for spot welding</li> <li>• Good UV stability</li> </ul>																		
	<b>Applications</b> 	<b>For application pictures see:</b> 70-37 Rust-Safe-Spray rust brown																			
	<b>Application areas</b> <p>Primary corrosion protection on all metallic, bare surfaces; secondary corrosion protection on existing rust by forming a water and air impermeable barrier layer.</p> <p>Remove surface dirt, oil, grease, wax or similar contaminants and loose rust before spraying.</p>	<p>Primary corrosion protection on all metallic, bare surfaces; secondary corrosion protection on existing rust by forming a water and air impermeable barrier layer.</p> <p>Remove surface dirt, oil, grease, wax or similar contaminants and loose rust before spraying.</p>	<p>Prevents rusting on steel and stops corrosion on rusty surfaces.</p> <p>For systems with a high proportion of solvents, carry out a precautionary test first.</p> <p>Also available: 70-6301 special thinner for TS 400 (1 liter)</p>																		
	<b>Packaging</b> <p>70-37 400 ml spray can 1 pack = 12 cans</p> <p>Colour sample</p> 	<p>70-44 400 ml spray can 1 pack = 12 cans</p> <p>Colour sample</p> 	<p>70-3400 1 kg can 70-3405 5 kg tin</p> <p>70-6300 1 kg can 70-6305 5 kg tin</p>																		

# Corrosion Protection

70-35

## RUST-I-SOL spray

Colour	When drying, the colour changes from grey to blue; when the process is complete, the surface turns black.
pH value	7.3 to 8.5
Storage temperature	protect from freezing
Application temperature	3 °C to 40 °C
Heat resistance	125 °C
Drying time	12 - 18 hours

### Benefits

- Neutralises the rust and then insulates the neutral rust layer against the effects of the weather.
- Very effective and long-lasting corrosion protection
- Can be painted over with paints and varnishes
- Unleaded, non-corrosive
- Not washable
- Also effective on damp rust

### Applications



### Application areas

Before use, shake well. Rust surfaces must be oil and grease free. Remove loose rust. Apply ROST-I-SOL Spray to a closed gray layer. Color changes from gray to blue when tinting, when the process is complete, the surface turns black.

Before overcoating (especially with solvent-based paints) check for compatibility.

### Packaging

**70-35** 400 ml spray can  
1 pack = 12 cans

70-36

## RUST-I-SOL

Colour	Yellow, later black
pH value	~7.0
Storage temperature	protect from freezing
Application temperature	3 °C to 40 °C
Heat resistance	125 °C (up to 175 °C for short durations)

- Patented rust neutraliser
- Lead-free, non-corrosive
- Washable safely
- Complete drying effect on moist rust
- Easily overwelded
- Does not attack lacquer and zinc coatings
- 500 hours salt spray test according to DIN 50021



The yellowish original concentrate is applied to the firm rust. The ROST-I-SOL® active ingredients, which work completely without acid at pH 7.0, remove the rust from the available oxygen and neutralize the rust to form a firmly adhering, stable, ferro-organic protective layer. At the same time, the neutralized rust on the surface is isolated by a black-hardening plastic coating against further weathering effects. Salt spray test according to DIN 53167 and DIN 50021, at 90 µm layer thickness 500 hours without rust.

**70-36** 500 ml bottle (withbrush)  
1 pack = 12 bottles  
**70-3650** 5 litre canister  
**70-3610** 10 litre canister  
**70-3602** 200 litre barrel

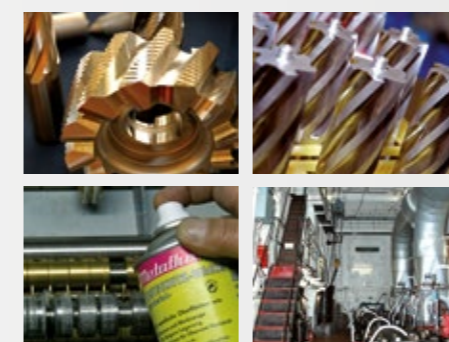
70-39

## Anti-Rust Wax Spray

Colour	brown
Thickness	0.63 g/cm <sup>3</sup>



- Long-term protection against corrosive influences for all metallic surfaces
- Permanently elastic protective film
- Water displacing
- With capillary effect
- Very good adhesion on all metals
- Long-term protection against corrosive, atmospheric influences
- Remove with METAFLEX 75-17 Citrus cleaner or Metaflux 70-15 fast cleaner



Permanently elastic protective film for metallic surfaces; for example, for longer storage of molds and tools, over-seas distribution of machinery, cavities and more.

Shake the can and sprinkle in cleaned surfaces, if necessary subject to extreme load (allow to dry in between). Drying time approx. 70 minutes.

**70-39** 400 ml spray can  
1 pack = 12 cans

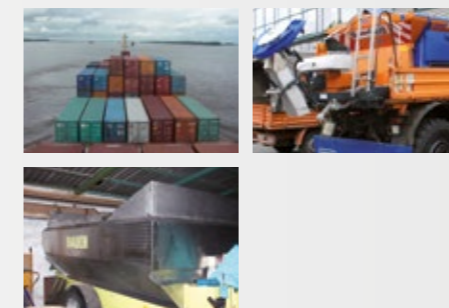
75-64

## Corrosion Protection Wax

Transparent long-term corrosion protection protects all metals from corrosion during outdoor storage and transport. The highly flexible, waxy protective film is seawater resistant, dries quickly and does not stick.



- Very good creeping ability
- Fast drying
- Non-sticky
- Not dust-binding
- Can be used in the immersion bath to protect hollow bodies
- 500 hours salt spray test



**Areas of application:** Semi-finished and finished parts, seasonally operated equipment and machines in the country, forestry and construction industry, products that are shipped overseas, shipbuilding, municipal enterprises.

Applicable to all materials susceptible to corrosion.

**75-6410** 10 litre canister  
**75-6420** 20 litre canister  
**75-6402** 200 litre barrel

# Penetrating and multi-functional sprays

Corrosion – that is to say, the (electro-) chemical reaction of metallic surfaces – leads worldwide to immense but avoidable damage to machines and components. Corrosive materials, e.g. in the soil, in salty air, water or chemicals react in an undesirable way with the metal and destroy its surface in the process. In individual instances, the oxide layer on the surface can provide protection against further corrosion (e.g. aluminium), but rust is porous, and as a result the surface is carried away and the metal continues to suffer the effects of weathering.

With electrochemical corrosion, an electrolyte – an electrically conducting liquid – causes electrons to be carried away from the metal surface. The positively-charged metal ions then react with the negative ions dissolved in the electrolyte. Possible electrolytes are, for instance, sweat from the hands, vinegar or generally acidic solutions.

With chemical corrosion, the metal reacts directly with the corrosive substance. Thus, for example, a redox reaction may take place, which commonly gives rise to metallic salts. However, the metal can also react directly with the oxygen in the air at high temperatures, e.g. when scaling, hardening or forging, and corrode.

## Known forms of corrosion

- Surface corrosion
- Contact corrosion
- Pitting or crevice corrosion (selective corrosion)

This is where the metal surface is worn away evenly and slowly.

Where two components in different precious metals come into contact, it is possible for moisture to act between the two surfaces as a corrosive medium. A weak current flows, and the more precious metal causes contact corrosion in the less precious metal.

Localised erosion due to corrosion leads to pit-like indentations and ultimately to perforation of the metallic surface.

		Benefits	Applications	Application areas	Packaging						
	<p><b>70-05</b> <b>Torsion Spray</b></p> <table border="1"> <tr> <td>Colour</td> <td>clear</td> </tr> </table> 	Colour	clear	<ul style="list-style-type: none"> <li>• Special penetrating spray</li> <li>• Extremely high capillary action</li> <li>• The smallest of tolerances are sufficient to allow the active ingredients to penetrate</li> <li>• Acid-free</li> <li>• Grease-free</li> <li>• No residues after approx. 10 min., after which it can simply be over-painted</li> </ul>	   	<p>Loosens all kinds of screw fastenings in minutes, thanks to a combination of active ingredients with a high-capillary action that builds up an internal sliding layer and triggers contracting/shrinking by cooling.</p> <p>To prevent renewed seizing, we recommend applying METAFLUX 70-81 Lubricating Metal Spray.</p>	<p><b>70-05</b> 400 ml spray can 1 pack = 12 cans</p>				
Colour	clear										
	<p><b>70-08</b> <b>Super-Degrip Spray</b></p> <table border="1"> <tr> <td>Colour</td> <td>light yellow</td> </tr> <tr> <td>Temperature resistance</td> <td>up to 60 °C</td> </tr> <tr> <td>Thickness</td> <td>0.803 g/cm<sup>3</sup></td> </tr> </table>   	Colour	light yellow	Temperature resistance	up to 60 °C	Thickness	0.803 g/cm <sup>3</sup>	<ul style="list-style-type: none"> <li>• Penetrating spray with re-lubricating rust protection additives for exacting industrial requirements</li> <li>• Good coverage</li> <li>• No deposits of solids</li> <li>• Painted surfaces are not attacked</li> <li>• The re-lubricating action eliminates the need for additional care products</li> </ul>	  	<p>Dissolves and loosens rust and dirt and subsequently affords corrosion protection to threaded joints, bolts, valves, pipe flanges etc.</p> <p>Spray onto the rusted joint and leave to act.</p>	<p><b>70-08</b> 400 ml spray can 1 pack = 12 cans</p>
Colour	light yellow										
Temperature resistance	up to 60 °C										
Thickness	0.803 g/cm <sup>3</sup>										
	<p><b>70-12</b> <b>Rust Solvent Spray</b></p> <table border="1"> <tr> <td>Colour</td> <td>clear</td> </tr> <tr> <td>Thickness</td> <td>0.725 g/cm<sup>3</sup></td> </tr> </table>  	Colour	clear	Thickness	0.725 g/cm <sup>3</sup>	<ul style="list-style-type: none"> <li>• Rust solvent with no re-lubrication</li> <li>• Penetrates rust and loosens seized screws and machine parts</li> <li>• Eliminates moisture</li> <li>• Penetrates the narrowest of gaps</li> <li>• Stops squeaking</li> <li>• Ensures free-moving screw fastenings and connectors</li> </ul>		<p>Dissolves and loosens rusted joints.</p>	<p><b>70-12</b> 400 ml spray can 1 pack = 12 cans</p>		
Colour	clear										
Thickness	0.725 g/cm <sup>3</sup>										

# Penetrating and multi-functional sprays

70-25

## Metaflon Spray



Colour	clear
Temperature resistance	-50 °C to +100 °C
Thickness	0.67 g/cm <sup>3</sup>
Viscosity	7 mm <sup>2</sup> /s



### Benefits

- High-performance lubricant spray with PTFE
- Bonds firmly, no dripping from the spray point
- High creeping ability
- Prevents freezing
- Eliminates creaking and squeaking noise, does not attack rubber and painted surfaces
- Removes moisture
- Free of silicone

### Applications



### Application areas

For clean lubrication in all areas of industry, craft and automotive.

Clean surface and degrease. Spray the product on thinly and let it work for a while. Wipe with a rag, depending on the application.

### Packaging

**70-2500** 400 ml spray can  
**70-2501** 100 ml spray can

1 pack = 12 cans

70-47

## Multi Spray



Colour	clear
Temperature resistance	-50 °C to +120 °C
Thickness	0.67 g/cm <sup>3</sup>
Viscosity	8.4 mm <sup>2</sup> /s



- Prevents leakage in damp rooms
- Corrosion protection through extremely thin oil film (also against contact corrosion)
- Especially against the formation of oxide and sulfide layers on electrical contacts and connections
- Loosens tight nuts and bolts
- Reliably prevents freezing
- Plastic, rubber, fabric or painted surfaces will not be attacked
- Free of silicone



Versatile in application, as penetrating oil with good capillary effect as well as dehumidifier, corrosion protection, rustproof and preventive antifreeze. Very suitable as a contact spray as it infiltrates water.

Spray on the cleaned lubrication point.

**70-4700** 400 ml spray can  
**70-4750** 500 ml spray can

1 pack = 12 cans

70-17 & 70-22

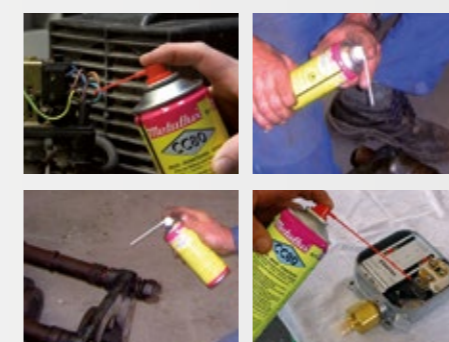
## CC 80 Multifunction Spray



Colour	clear
Flashpoint	130 °C
Thickness	0.718 g/cm <sup>3</sup>
Viscosity	3 mm <sup>2</sup> /s



- Multi-function spray
- Does not attack plastics, rubber, fabric or painted surfaces
- Free of silicone
- Free of mineral oil



Sprinkle on the cleaned lubrication point and allow to act. Wipe with a rag, depending on the application.

Also very suitable for gun care.

**70-1700** 400 ml spray can  
**70-1750** 500 ml spray can  
**70-22** 200 ml spray can

1 pack = 12 cans

Also available in canister or barrel

70-2001

## Cylinder and lock spray



Maintains and protects door cylinders, prevents seizure of locks, ideal for the Auto Industry.

Colour	clear
Thickness	0,67 g/cm <sup>3</sup> at 20 °C
Temperature resistance	-50 °C bis +100 °C



- Eliminates creaking and squeaking noise on doors, windows, drawers, etc.
- Does not affect rubber and painted surfaces
- Colorless and clean
- Bonds firmly, no dripping from the spray point
- Removes moisture
- Lubricates and protects permanently



Application: Give a short spray into the cylinder (both sides) or into the lock. Then turn the key a few times in the lock.

**70-2001** 100 ml spray can

1 VE = 12 cans

# Lubricants and high-performance lubricants (sprays, pastes and greases)

The right choice of lubricant is every bit as important for the lifetime of machines and machine parts as expert handling and regular servicing.

Lubricants protect against corrosion and reduce friction, they dampen down vibrations, conduct heat away and prevent penetration of foreign bodies on sealed parts. They therefore prevent wear, lower the costs of repairs and servicing, and extend the working life of components. The types of lubricants are, naturally, as diverse as the range of applications for which they are suited. Fundamentally, a distinction is made between oils, greases, pastes, solid lubricants and solid film lubricants.

Oils are the base materials for many lubricants. They are particularly suitable in environments involving high speeds or temperatures, if it is not possible to apply a lubricating grease. They act to carry off friction heat. Given their low viscosity, they spread well and are thus also suitable for keeping lubricated areas clean. It is their solid consistency which is the advantage of lubricating greases. It means that they can be applied in all situations and prevent foreign bodies from penetrating into the greased area. The desired consistency is achieved by introducing additives and thickeners to the base oil. The NLGI classification provides information about the chemical composition and percentage content in the product.

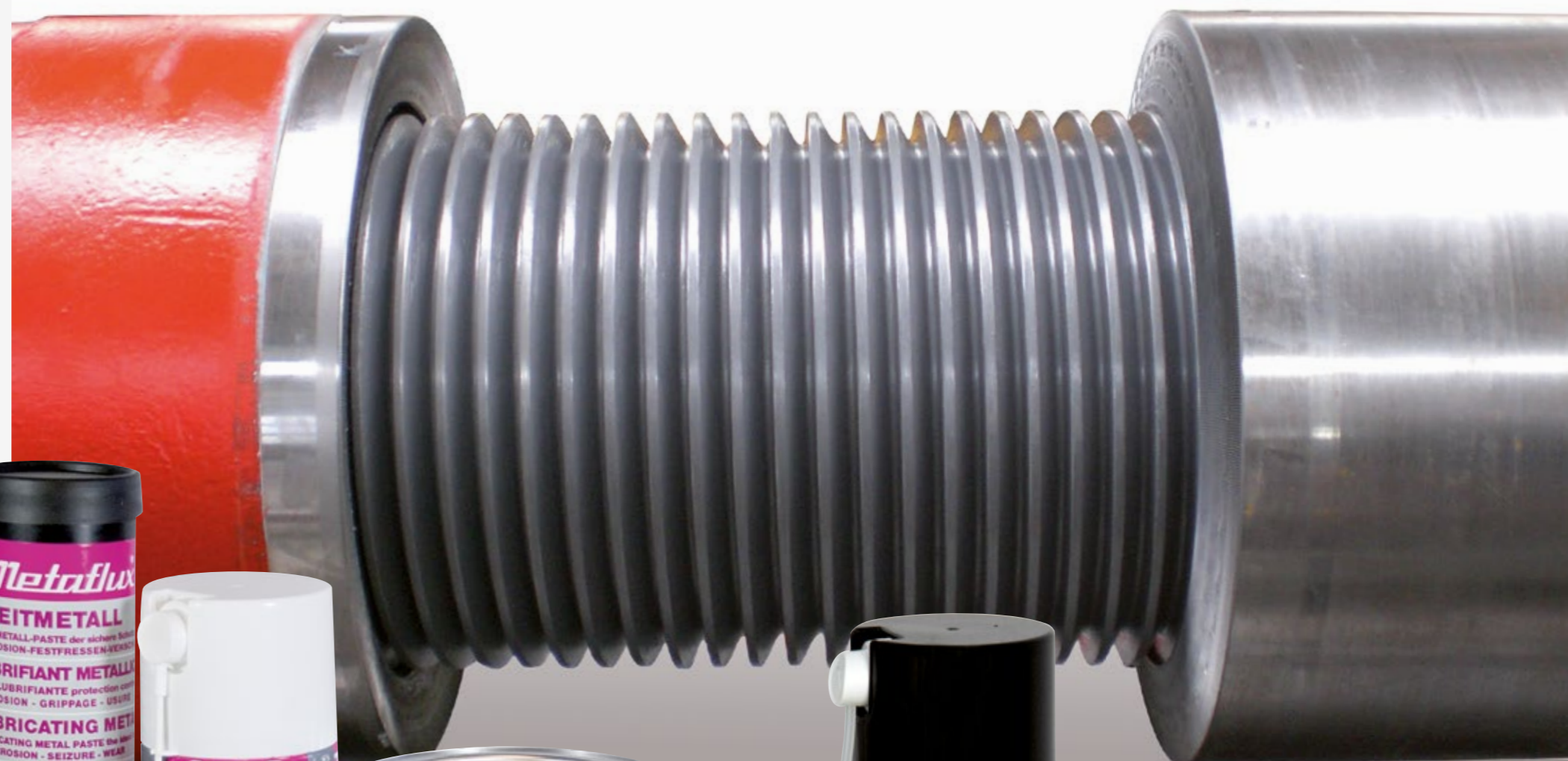
**Lubricating pastes** are similar to greases in their make-up. However, in these products solid lubricants are added to the carrier oil instead of thickeners. Pastes are outstandingly well-suited to contexts involving extreme physical and temperature stresses, friction oxidation and stick-slip. While lubricant and assembly pastes are mainly used for lubrication, screw-fixing pastes also enable better control of prescribed torques. High-temperature pastes can be used up to 1,400°C. In this instance, the carrier oil evaporates and the solid lubricants are left behind to lubricate the components.

**Solid lubricants** assist oils and greases in lubricating at low sliding speeds or under extreme temperature conditions, if it is not possible for a sliding film to be formed.

If solid lubricants are dissolved in a fixing agent, the result is a **solid film lubricant**. These form a solid, dry lubricating film after being applied and hardening off, providing excellent qualities for friction and wearing.

Individual requirements call for specially-customised approaches.

For a customised solution to your problem, please contact our expert consultants.



# High Performance Lubricants

# - For Extreme Loads



**70-81**

## Lubricating metal spray

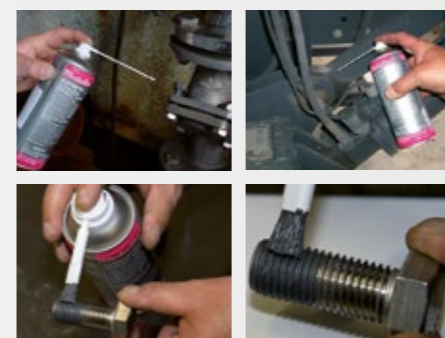
Colour	grey
Temperature resistance	-180 °C to +1,350 °C
Pressure resistance	23,400 N/cm <sup>2</sup> / 2,400 kp/cm <sup>2</sup>



### Benefits

- Metallic filled high-performance broadband lubricant with titanium for extreme conditions of use
- Resistant to water, seawater, oil, gasoline and most acids, alkalis, gases and vapors
- Abrasion, burning and rinsing
- Prevents galvanic contact corrosion
- Free of copper and nickel, therefore no formation of electrolyte possible

### Applications



### Application areas

Prevents seizing, wear and corrosion to screw connections and plug connections, reduces vibration noises (e.g. squeaking brakes) in all areas of industry, in automotive applications, in sewage treatment, in ports, for utilities, in hospitals, power stations, construction etc. Lubricating metal is very well-suited for use with stainless steel.

Brush adapter available: Art.-Nr. **70-8199**

### Packaging

**70-81** 400 ml spray can  
1 pack = 12 cans



**70-85**

## Lubricating metal paste

Colour	dark grey
Temperature resistance	-180 °C to +1,350 °C
Pressure resistance	23,400 N/cm <sup>2</sup> / 2,400 kp/cm <sup>2</sup>



- Metallic filled high-performance broadband lubricant with titanium for extreme conditions of use
- Resistant to water, seawater, oil, gasoline and most acids, alkalis, gases and vapors
- Abrasion, burning and rinsing
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Prevents seizing, wear and corrosion to screw connections and plug connections, reduces vibration noises (e.g. squeaking brakes) in all areas of industry, in automotive applications, in sewage treatment, in ports, for utilities, in hospitals, power stations, construction etc. Lubricating metal is very well-suited for use with stainless steel.

Also available:  
METAFLUX 70-81 Lubricating Metal Spray

**70-8500** 1 kg can  
**70-8535** 350 g can  
**70-8540** 400 g cartridge  
**70-8508** 2 x 4 g packs  
1 pack = 100 units  
**70-8550** 500 g screw cartridge  
**70-8501** 100 ml pump cartridge  
**70-8502** Brush adapter for 70-8501



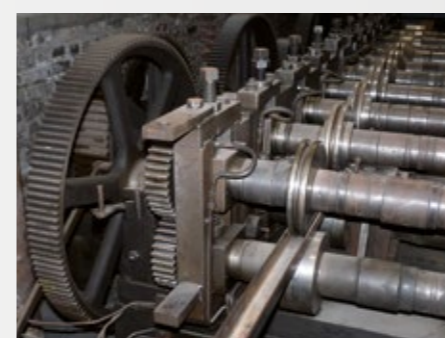
**70-81 / 70-85**

## Sliding Metal product family

Colour	dark grey
Temperature resistance	-180 °C to +1,350 °C
Pressure resistance	23,400 N/cm <sup>2</sup> / 2,400 kp/cm <sup>2</sup>



- Metallic filled high-performance broadband lubricant with titanium for extreme conditions of use
- Resistant to water, seawater, oil, gasoline and most acids, alkalis, gases and vapors
- Abrasion, burning and rinsing
- Prevents galvanic contact corrosion
- Free of copper and nickel, therefore no formation of electrolyte possible



Prevents seizing, wear and corrosion to screw connections and plug connections, reduces vibration noises (e.g. squeaking brakes) in all areas of industry, in automotive applications, in sewage treatment, in ports, for utilities, in hospitals, power stations, construction etc. Lubricating metal is very well-suited for use with stainless steel.

**70-81** 400 ml spray can  
1 pack = 12 cans

**70-8500** 1 kg can  
**70-8535** 350 g can  
**70-8540** 400 g cartridge  
**70-8508** 2 x 4 g packs  
1 pack = 100 units  
**70-8550** 500 g screw cartridge  
**70-8501** 100 ml pump cartridge  
**70-8502** Brush adapter for 70-8501



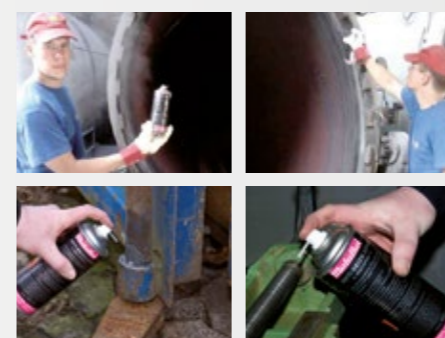
**70-82**

## Anti-seize (Moly) Spray

Colour	dark grey
Temperature resistance	-80 °C to +1,200 °C
Pressure resistance	35,200 N/cm <sup>2</sup> / 3,600 kp/cm <sup>2</sup>



- Metal-pigmented mounting spray against seizure and corrosion
- High resistance to salt water, organic solvents and most acids and alkalis
- Free of nickel and copper, therefore no formation of electrolytes possible



Prevents seizing, wear and corrosion to screw connections and plug connections, seals, valve packing and other pipe systems and on track pins, belt pulleys, toothed wheels etc.

**70-82** 400 ml spray can  
1 pack = 12 cans

# Lubrication sprays

70-74

## Supralub Spray

Colour	colourless
Flash point	245 °C
Viscosity	70 mm²/s
Temperature resistance	-5 °C to +200 °C
Thickness	0.87 g/cm³



### Benefits

- Special lubricant for all food industry applications
- Neutral odour and taste
- Highly refined/transparent
- Good stability to oxidation and ageing
- Excellent corrosion protection
- Cleans, protects and maintains in one
- Reduces friction and wear

### Applications



### Application areas

All mechanical equipment used in the food, feedstuffs and drinks industries (in compliance with § 31 German food law - Lebensmittelgesetz - and USDA H1).

Apply to the cleaned lubrication area, but not directly onto food. Not intended for surface treatment of food. Sprays in all positions.

### Packaging

**70-74** 400 ml spray can  
1 pack = 12 cans



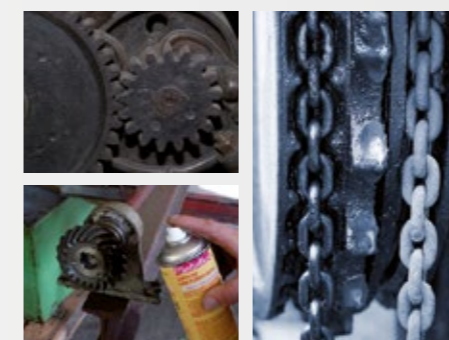
70-07

## Wheelset & Chain Spray

Colour	dark grey
Thickness	0.685 g/cm³



- Dark-coloured lubricant for heavy chains
- Adheres well - no irritating dripping off
- Resistant to water, including wastewater and many aggressive media
- Can cope with extremely high pressure loads
- Excellent protection against wearing
- Very good corrosion protection
- Contains no heavy metals or chlorine



Lubricant for chains performing heavy-duty tasks in machines, conveyors, fork-lifts and for joints, rollers, drill-shafts, live rings, toothed rings etc., particularly in industrial and port applications.

Spray onto the cleaned chain.

**70-07** 400 ml spray can  
1 pack = 12 cans

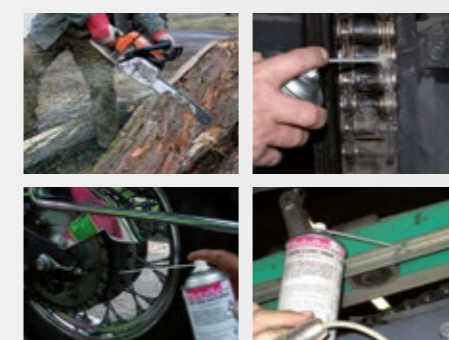
70-88

## Chain-Cling Spray, synthetic

Colour	clear
Temperature resistance	-15 °C to +250 °C
Thickness	0.683 g/cm³



- Fully synthetic lubricant for industrial and motorbike chains
- High penetration, extremely good adhesion
- No dripping-off, no effect on regular O-rings, chemically stable
- Free of silicones and solids
- Transparent corrosion protection for up to 1 year
- Stable over the full pH range from 2.5 to 11.0



Special chain lubricant for extreme conditions and high centrifugal forces, for lighter chains in all industry applications, and for motorbike chains subjected to high rates of stress.

Spray onto the cleaned, running chain from a distance of approx. 20 cm.

**70-88** 400 ml spray can  
**70-8801** 100 ml spray can  
1 pack = 12 cans

70-76

## Clear Grease Spray

Colour	clear
Temperature resistance	-20 °C to +120 °C
Thickness	0.6 g/cm³



- Lubricant spray with active ingredients based on a special grease
- Colourless and clean
- Adheres well, with no dripping off
- Water-resistant
- Kind to the skin



For clean fine-tolerance lubrication of packaging and office machines, cameras, hospital trolleys etc, and for all aspects of precision engineering.

Clean and degrease the surface. Apply the clear grease spray thinly.

**70-76** 400 ml spray can  
1 pack = 12 cans

# Lubrication sprays

70-84

## HT-Super Spray

Colour	light yellow
Temperature resistance	-30 °C to +200 °C
Thickness	0.683 g/cm <sup>3</sup>



### Benefits

- Lubricant spray
- Prevents seizing and corrosion
- Optimal coverage
- Secure and fast adhesion
- Resistant to salt water, thinned lyes and acids, and to corrosive industry atmospheres
- Water-repellent

### Applications



### Application areas

Areas of use are various branches of industry such as sugar refineries, jam factories, paper factories, the automotive industry, craft trades and fitters, shipping, construction machinery, utilities, sewage treatment plants, etc.

For bearings, pivoting joints, exposed toothed wheels, racks, chain-wheels and chains, including O-ring chains, wires, running tracks, hinges, winders, cables etc.

Spray onto the cleaned surface.

### Packaging

70-84 400 ml spray can  
1 pack = 12 cans

70-75

## Paste Spray

Colour	yellow-brown
Temperature resistance	-30 °C to +150 °C
Thickness	0.675 g/cm <sup>3</sup>



- White lubricating and assembly paste spray
- Metal-free, grease-free
- Resistant to water and water vapour
- Largely resistant to alkali and acid media
- Largely neutral to high-performance plastics and elastomers
- Lubrication range -30°C to +150°C



In the full range of servicing and maintenance tasks on friction points operating at low to medium slide speed, down to small and the slightest of sliding motions (stick-slip) under high static and dynamic stresses, to protect against friction, frictional corrosion and wear. Apply to threaded spindles, bearings, profiled runners, adjustment mechanisms, friction points on tools and mechanical aids, or use to assist when fitting linings etc. Clean and degrease the surface. Apply paste thinly and spread using a brush or cloth which does not shed fibres - do not rub in.

70-75 400 ml spray can  
1 pack = 12 cans

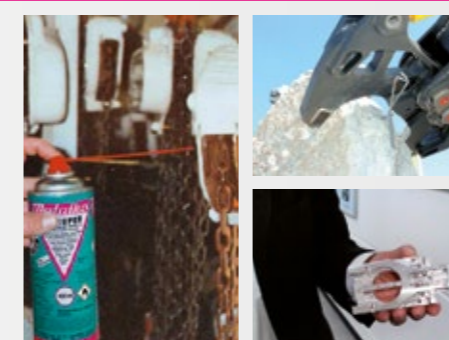
70-89

## HT-Super Spray + PTFE

Colour	light yellow
Temperature resistance	-30 °C up to +200 °C
Thickness	0.683 g/cm <sup>3</sup>



- Adhesive lubricant spray, enriched with PTFE flakes
- Prevents seizing and corrosion
- Optimal coverage
- Secure and fast adhesion
- Resistant to thinned lyes and acids and to corrosive industry atmospheres
- Water-repellent



Areas of use are various branches of industry such as sugar refineries, jam factories, paper factories, the automotive industry, craft trades and fitters, shipping, construction machinery, sewage treatment plants, etc.

For bearings, pivoting joints, exposed toothed wheels, racks, chain-wheels and chains, including O-ring chains, wires, running tracks, hinges, winders, cables etc.

Spray onto the cleaned surface.

70-89 400 ml spray can  
1 pack = 12 cans

70-64

## Silicone Spray with NSF Licensing

Colour	colourless
Temperature resistance	-45 °C up to +220 °C
Thickness	0.69 g/cm <sup>3</sup>



NSF  
Nonfood Compounds  
Program Listed H1  
Registration # 141653

- Universal lubricant and separator for applications in the food and drinks industries
- Brings back shine
- Antistatic effect
- Prevents embrittlement, freezing and sticking of rubber parts
- Protects electrical contacts against moisture
- Odour-neutral



Clean the parts requiring lubrication prior to application using 70-15 Metaflux Fast Cleaner Spray, before spraying on a thin coating of the silicone spray.

Can be used on: metal, stainless steel, wood, glass, plastic, rubber and paper, particularly in the food sector.

70-64 400 ml spray can  
1 pack = 12 cans



Nonfood Compounds  
Program Listed H1  
Registration # 141653



# Special sliding sprays / ceramic separating agents

70-87

## PTFE-100 Spray

Colour	white colour
Temperature resistance	-60 °C bis +260 °C
Thickness	0.59 g/cm <sup>3</sup>



### Benefits

- Anti-stick lubricant for a clean, 100% pure PTFE coating
- 100% pure PTFE in the dry film
- Clean, colourless, grease-free, firmly adhering
- Repels dirt, dust and water
- Resistant to oils, water and most other liquids

### Applications



### Application areas

Spray onto the clean, dry, grease-free surface. If a thicker coating depth is required, allow each layer to dry through before applying the following layer.

### Packaging

**70-87** 400 ml spray can  
1 pack = 12 cans

70-77

## PTFE Slide Spray

Colour	white colour
Temperature resistance	-60 °C up to +260 °C
Thickness	0.588 g/cm <sup>3</sup>



- Dry PTFE-based lubricating coating
- Clean, colourless, grease-free, firmly adhering
- Repels dirt, dust and water
- Resistant to oils, water and most other liquids



For sliding surfaces and runners in all branches of industry, particularly in paper, wood and textile processing and in the packaging industry.

Spray onto the clean, dry, grease-free surface.

**70-77** 400 ml spray can  
1 pack = 12 cans

70-83

## Dri-Lube Spray

Colour	anthracite
Temperature resistance	-120 °C up to +460 °C
Thickness	0.625 g/cm <sup>3</sup>



- Dry MoS<sub>2</sub>-based lubricant
- Clean friction coating
- Corrosion protection
- Constant friction coefficient
- Extremely pressure-resistant
- Even after long downtimes, still maintains full lubricating effect
- Excellent adhesion properties
- Fast-drying



Clean lubricant for maintenance-free treatment of sliding points operating at low speed under permanent stress, and particularly also to improve feed operations and as emergency running lubrication and to dampen down noise from operating machinery.

Spray onto the carefully-cleaned, oil- and grease-free surface.

**70-83** 400 ml spray can  
1 pack = 12 cans

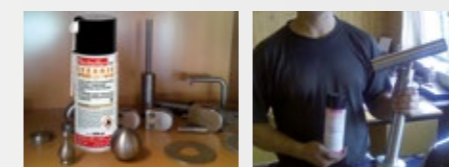
70-86

## Ceramic Spray

Colour	white
Temperature resistance	up to 1,200 °C
Pressure resistance	22,000 N/cm <sup>2</sup>
Thickness	0.71 g/cm <sup>3</sup>



- White ceramic separating agent and sealant
- Abrasion-resistant, non-flaking, rinsing-resistant
- Resistant to water, oil, petrol and most acids and lyes
- Prevents electro-chemical corrosion
- Even after more extended use, assists in dismantling coated parts



Separating agent for all screw connections, particularly for chrome-nickel screws. Also outstanding in compensating for imprecisions on flanges and flat seals. Apply onto the cleaned material (screw thread).

Warning: do not use on oxygen and acetylene systems!

Also available:  
METAFLUX 71-30 White Ceramic Paste (hot-screw assembly compound)



**70-86** 400 ml spray can  
1 pack = 12 cans

# Lubricating pastes



71-09

## Biolub Paste

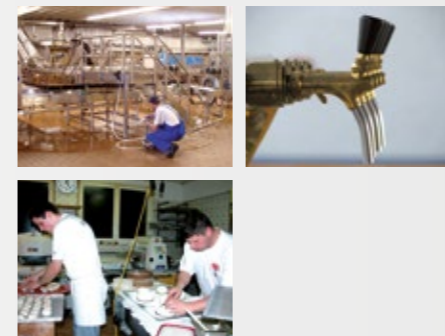
Colour	beige
Thickness	0.90 g/cm <sup>3</sup>
Temperature resistance	-40 °C to +120 °C
Licensing	NSF H1
NLGI Class 1	as per DIN 51 818



### Benefits

- Special lubricating paste for all areas of the food industry
- No known odour or taste
- Non soluble in water, alcohol, milk and dairy products and juices
- Does not turn rancid
- Transports easily in centralised lubrication units at low temperatures

### Applications



### Application areas

Apply to a cleaned surface, but not directly onto food. Not intended for surface treatment of food.

Also available: METAFLUX 70-09 Biolub Spray

### Packaging

- 71-0935 350 g can
- 71-0940 400 g cartridge
- 71-0950 500 g screw cartridge
- 71-0901 1 kg can
- 71-0910 10 kg tin
- 71-0925 25 kg tin



Nonfood Compounds  
Program Listed H1  
Registration # 141852



71-10

## Heavy Duty Universal Grease

Colour	black
Temperature resistance	-30 °C to +130 °C
Thickness	0.89 g/cm <sup>3</sup>



- Universal lubricant
- Heavy Duty
- Good emergency running properties as MoS<sub>2</sub> based
- Resistant to water rinsing
- Corrosion protection



Clean and degrease the surface. Apply paste thinly and spread using a brush or cloth which does not shed fibres – do not rub in.

General applications for rolling bearings, friction bearings, friction points in the automotive sector and in machines of all kinds, particularly including applications with high specific surface pressure.

- 71-1035 350 g can
- 71-1040 400 g cartridge
- 71-1050 500 g screw cartridge
- 71-1001 1 kg can
- 71-1010 10 kg tin
- 71-1025 25 kg tin



71-15

## White Assembly Paste

Colour	white
Temperature resistance	-40 °C to +150 °C
Thickness	1.23 g/cm <sup>3</sup>



- Metal-free, grease-free, clean, non contaminating
- No run-off
- Resistant to water and steam
- Largely resistant to alkali and acid media
- Largely neutral in effect on high-performance plastics and elastomers
- Prevents frictional corrosion and fretting corrosion to press fits and bearing seats, bolts, etc



In the full range of servicing and maintenance tasks on friction points operating at low to medium speed, down to small and the slightest of sliding motions under high static and dynamic stresses, to protect against friction, frictional corrosion and wear, Apply to threaded spindles, bearings, profiled runners, adjustment mechanisms, friction points on tools and mechanical aids, or use to assist when fitting linings, etc.

Also available METAFLUX 70-75 Paste Spray

- 71-1535 350 g can
- 71-1501 1 kg can
- 71-1510 10 kg tin
- 71-1525 25 kg tin

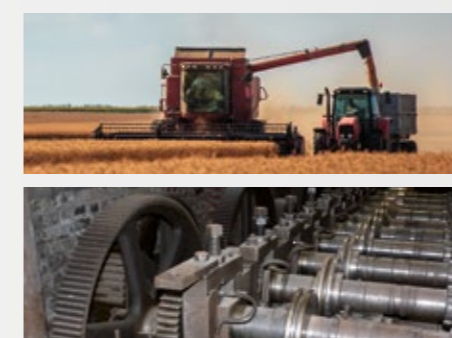


71-40

## Long Acting Universal Grease

Colour	fluorescent
Temperature resistance	-30 °C to +110 °C
Thickness	0.92 g/cm <sup>3</sup> at 15 °C DIN 51757

- Water repellent
- Extremely adhesive
- Wear and corrosion protection
- Marking according to DIN 51 502: KP 2 G-30
- Marking according to ISO / DIS 6743-9: ISO-L-XCBIB2
- Free of silicone and PTFE



Versatile universal grease, which has a pronounced reliability due to its high basic viscosity. It is used in particular at lubrication points with critical stresses such as high humidity, salt water influence and impact load.

Due to the carefully selected raw materials and additives a good long-term lubrication is given. In the automotive, construction and agricultural machinery and industrial sectors it is suitable as a universal grease

- 71-4035 350 g can
- 71-4040 400 g cartridge
- 71-4050 500 g screw cartridge
- 71-4001 1 kg can
- 71-4010 10 kg tin
- 71-4025 25 kg tin

# Lubricating pastes

## 71-20

### Assembly Paste with Polymers



Colour	black
Temperature resistance	-30 °C to +180 °C
Dry lubrication	up to +450 °C
Thickness	1.43 g/cm <sup>3</sup>



### Benefits

- With polymers and MoS<sub>2</sub>
- Low friction coefficient
- Reduces wear
- Prevents stick-slip

### Applications



### Application areas

Assembly paste and lubricant for exceptionally high surface pressures on the friction coupling.

Assembly and feed aid for friction bearings, sliding elements such as runners, joints and toothed wheels, and in precision engineering, electrical engineering and in automotive applications.

### Packaging

- 71-2035 350 g can
- 71-2001 1 kg can
- 71-2010 10 kg tin
- 71-2025 25 kg tin

## 71-25

### High Performance Large Area Lubricating Grease



Colour	beige
Temperature resistance	-30 °C to +130 °C, (short-term 165 °C)
Thickness	0.96 g/cm <sup>3</sup>



- Based on high quality mineral oils and synthetic oils with calcium complex soap
- High mechanical-dynamic lubricant film performance
- Highly resistant to wear
- Good resistance to water, steam up to 130 °C
- Good resistance to many thinned acids and lyes
- Good corrosion protection
- Effective against tribo-corrosion
- Highly resistant to oxidation and ageing



For all applications requiring high mechanical-dynamic stress resistance qualities in the lubricating film and high protection against wear.

Apply to the cleaned surface.

Warning: Do not use on oxygen and acetylene systems.

- 71-2535 350 g can
- 71-2501 1 kg can
- 71-2510 10 kg tin
- 71-2525 25 kg tin

## 71-30

### Ceramic Paste (Hot Screw Assembly Compound)



Colour	white
Temperature resistance	up to 1,400 °C
Pressure resistance	up to 22,000 N/cm <sup>2</sup>
Thickness	1.3 g/cm <sup>3</sup>



- White ceramic separating agent and sealant
- Abrasion-resistant, non flaking, rinsing resistant
- Resistant to water, petrol, oil and most acids and lyes
- Prevents electro-chemical corrosion
- Even after more extended use, assists in dismantling coated parts



Reliable separating agent for all screw connections, particularly for chrome-nickel connections. Particularly clean separating agent and sealant, also outstandingly well-suited to compensating for imprecisions on flanges and flat seals.

Apply to the cleaned material (screw thread).

Also available: 70-86 Ceramic Spray

Model applications: Screws, connectors, battery poles, assemblies, boilers, toothed wheels, valves, bolts and as a separator for moulds.

- 71-3035 350 g can
- 71-3001 1 kg can
- 71-3010 10 kg tin
- 71-3025 25 kg tin

## 71-91 / 71-92

### One or two handed grease guns



for 500 g screw-in cartridges

Pressure	400 bar
----------	---------

#### 71-91 One handed grease gun for 500g screw-in cartridges

- with switchable modes for pressure and volume
- specially designed for Kajo, Euro and Metaflux cartridges

#### 71-92 Two handed grease gun for 500g screw-in cartridges

- specially designed for Kajo, Euro and Metaflux cartridges

- Fast and clean cartridge change
- Integrated switching mode for high pressure or low volume
- High quality coated die head made of diecast aluminum
- Controlled lubrication by trigger lever made of galvanized, plastic-coated sheet steel
- Handle lock for leak-free storage

- 71-9100 One handed press for 500g screw-in cartridges
- 71-9200 Two handed press for 500g screw-in cartridges

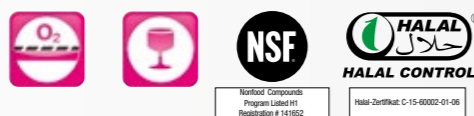
# Food industry products

# - with -Licensing

70-09

## Biolub Spray

Colour	colourless
Temperature resistance	-30 °C to +120 °C
Viscosity	15.5 mm <sup>2</sup> /s
Licensing	NSF H1



### Benefits

- Special lubricant for all aspects of the food industry
- Contains no plant or animal fats (does not turn rancid)
- Not soluble in water
- No taste, no odour, colourless
- Friendly to the skin
- Strong capillary effect
- Silicone-free

### Applications



### Application areas

All mechanical devices across the full range of food, foodstuff and drinks applications (in compliance with § 31 and § 5 LFGB) and for medical devices. Meat processing, breweries, distilleries, juicing plants, large-scale kitchens, hospitals, hotels, largescale bakeries, laboratories, dairies, mills, etc.

Apply to the cleaned surface, but not directly onto food. Not intended for surface treatment of foods.

### Packaging

70-09 400 ml spray can  
1 pack = 12 cans



Nonfood Compounds  
Program Listed H1  
Registration # 141652

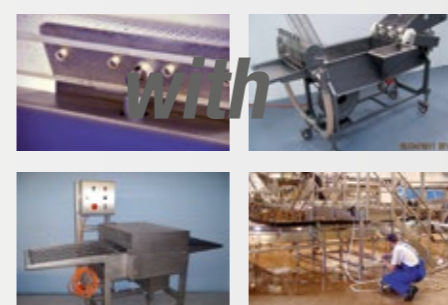
70-48

## HT-LUB-Spray

Colour	white
Temperature resistance	+40 °C to +1,400 °C
Thickness	0.72 g/cm <sup>3</sup> at 20 °C
Licensing	NSF H1



- High-temperature paste spray for screw joints used in the food and pharmaceutical industry
- Prevents cold welding and fretting corrosion
  - Resistant to hot and cold water and many acids and alkalis
  - Good corrosion and wear protection
  - Oxidation-stable
  - Metal-free



Screw and socket joints of steel, stainless steel and non-ferrous metals which are exposed to high loads. For sealing and maintenance of valves, gate valves and metal seals, eg. in the chemical industry. For separating temperature-degrading oven screw connections in spindles and fits, eg. in refinery operations.

Applications in the food and beverage industry, agricultural machinery, packaging machinery, shipping, cement plants, steel mills, etc

70-48 400 ml spray can  
1 VE = 12 cans



Nonfood Compounds  
Program Listed H1  
Registration # 154002

70-74

## Supralub Spray

Colour	colourless
Temperature resistance	+5 °C to +200 °C
Thickness	0.87 g/cm <sup>3</sup>
Viscosity	70 mm <sup>2</sup> /s
Flash point	245 °C
Licensing	NSF H1 / 3H / H3



- Special lubricant for all food industry applications
- Neutral odour and taste
  - Highly refined / transparent
  - Good stability to oxidation and ageing
  - Excellent corrosion protection
  - Cleans, protects and maintains in one
  - Reduces friction and wear
  - Silicone-free



All mechanical equipment used in the food, foodstuff and drinks industry (in compliance with § 31 German food law and USDA H1).

Apply to the cleaned lubrication area, but not directly onto food. Not intended for surface treatment of food. Sprays in all positions.

70-74 400 ml spray can  
1 VE = 12 cans

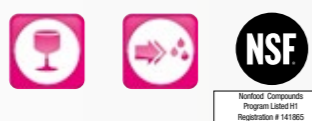


Nonfood Compounds  
Program Listed H1/3H/H3  
Registration # 145724

70-31

## Multi-NSF

Colour	colourless
Temperature resistance	up to +100 °C
Thickness	0.69 g/cm <sup>3</sup>
Viscosity	15 mm <sup>2</sup> /s
Licensing	NSF H1



- Multifunction screw loosener and rust remover
- For the entire food industry sector
  - Electro-contact spray
  - Quickly and effortlessly frees seized and rusted connections
  - Can be used universally
  - Protects metal surfaces
  - Repels moisture
  - Silicone-free
  - Odour neutral



Can be used universally, e.g. on screws and threads, bolts, locks, guide rails, hinges, joints, sliding surfaces, valves, flanges, electronics, etc. Very good capillary action due to the newly developed active ingredient formula, and can be used even in the food industry.

Shake can well prior to applications, spray onto the areas to be loosened and maintained, and allow to act for a short time. Do not spray directly onto food.

70-31 400 ml spray can  
1 VE = 12 cans



Nonfood Compounds  
Program Listed H1  
Registration # 141865

# Food industry products

# - with -Licensing



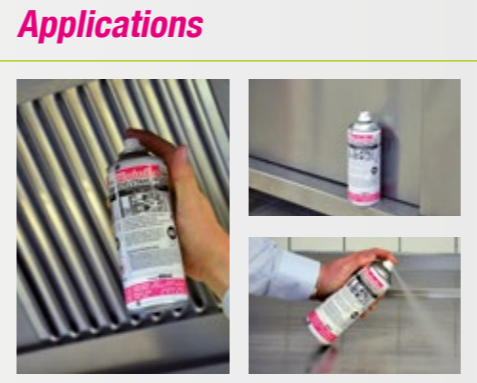
**75-01**  
**Stainless Steel Care Spray NSF**

Colour	colourless
Temperature resistance	-5 °C to +200 °C
Thickness	0.633 mm <sup>2</sup> /s
Licensing	NSF A7

Nonfood Compounds  
Program Listed A7  
Registration # 143238

- Benefits**
- Leaves a protective film
  - Also adheres to vertical surfaces
  - Stainless steel cleaning and care with NSF approval
  - Quick cleaning of stainless steel surfaces
  - maintains and brings new shine
  - Protects against fingerprints and dirt
  - Reduces oxidation and corrosion




**Application areas**

For all brushed and matt stainless steel surfaces, especially in the beverage, food and medical industries. For cleaning and care of conveyor belts, machines, large kitchens, elevators, stairs and other stainless steel parts.

The product quickly and easily cleans the surfaces. Dirt, dust and greasy fingerprints are removed.

**Packaging**

**75-01** 400 ml spray can  
1 pack = 12 cans



Nonfood Compounds  
Program Listed A7  
Registration # 143238



**75-11**  
**K1 Rapid Cleaner NSF**

Colour	colourless
Thickness	0.643 g/cm <sup>3</sup>
Licensing	NSF K1 / K2 / K3



Nonfood Compounds  
Program Listed K1/K2/K3  
Registration # 145905

- Rapid cleaner for the food industry with NSF approval
- Dissolves oils, greases and resinified contaminants quickly and effectively
- Safe degreasing (eg for painting work)
- Evaporates quickly and without residues
- High material compatibility
- Can be used as electric contact and component quick cleaner
- Can be used as an adhesive remover



Applicable for cleaning tasks in the pharmaceutical, food and foodstuff industries.

A multiuse product for dissolving oils, fats and gummed substances, can be used as an electric contact cleaner and as a sealant and adhesive remover.

**75-11** 400 ml spray can  
1 pack = 12 cans



Nonfood Compounds  
Program Listed K1/K2/K3  
Registration # 145905



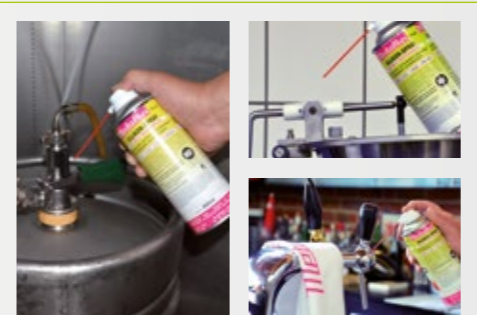
**70-64**  
**Silicone Spray NSF**

Colour	colourless
Temperature resistance	-45 °C to +220 °C
Thickness	0.625 g/cm <sup>3</sup>
Licensing	NSF H1

Nonfood Compounds  
Program Listed H1  
Registration # 141653

- Universal lubricant and release agent for applications in the food and beverage industry
- Brings new shine
- Antistatic effect
- Prevents embrittlement, freezing and sticking of rubber parts
- Protects electrical contacts from moisture
- Odourless



Clean the parts to be lubricated with 75-11 Metaflux K1 Rapid Cleaner before use and then spray on thinly. For lubrication of slides and slide rails. Suitable as a mold release agent for the maintenance and the protection of surfaces.

Applicable to: metal, stainless steel, wood, glass, plastic, rubber and paper, especially in the food industry.

**70-64** 400 ml spray can  
1 pack = 12 cans




Nonfood Compounds  
Program Listed H1  
Registration # 141653



**75-60**  
**Citrus Cleaner K1 NSF**

Colour	colourless
Thickness	0.826 g/cm <sup>3</sup>
Licensing	NSF K1 / K3

Nonfood Compounds  
Program Listed K1/K3  
Registration # 155211

- Cleaning of industrial and mechanical equipment in the food, foodstuff and pharmaceutical industries
- Fast drying of the treated surface
- High active ingredient concentration
- Non-corrosive
- pH neutral (pH 7.0)
- Pleasantly fresh smell



Special cleaner for foodstuffs and pharmaceutical operations based on natural active ingredients for the effective removal of: rubber residues and abrasion of metal surfaces and tools, oils, greases, resin, tar, paint and adhesive residues, pencil marks, ballpoint pen and felt-tip polystyrene, stickers from Glass surfaces and window frames, etc.

**75-60** 400 ml spray can  
1 pack = 12 cans



Nonfood Compounds  
Program Listed K1/K3  
Registration # 155211

# Crack testing and detection

70-14

## Leak Seek Spray

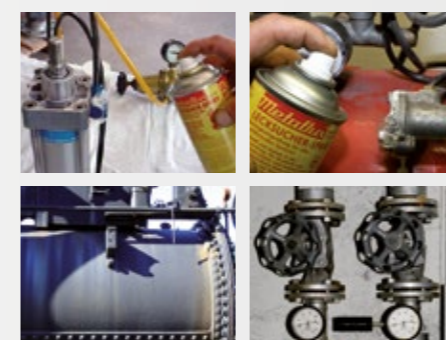
Colour	colourless
Temperature resistance	0 °C to +50 °C
Thickness	1.0 g/cm <sup>3</sup>



### Benefits

- Seal check product for all gas feed systems
- Suitable for compressed air and all technical and medical gases
- Also suitable for combustible gases such as acetylene, propane, butane and hydrogen
- Non-corrosive
- Does not attack rubber, metal or plastics
- DVGW Register No. 84.01 e 557

### Applications



### Application areas

For detecting leaks in pressurised systems of all kinds. Very simple to use, since the leak points are immediately indicated through the formation of foam or air bubbles.

Can be used, for example, on screw connections or welded connections on containers and pipes, car tyres, bouncy castles or other inflatable rubber items.

### Packaging

**70-14** 300 ml spray can  
1 pack = 12 cans

70-98

## Crack and Porosity Detecting Set

Colour	colourless/red/white
Thickness	0.758 g/cm <sup>3</sup>



Cracks and defects in the surface of work-pieces and components can impair the required strength and extension, creating a hazard. The Metaflux Crack and Porosity Detection Procedure has been examined by a number of independent bodies and conforms to the highest standards under its licensing approvals.

- All sprays free of corrosive components



Crack and porosity test

1. Clean test pieces thoroughly using Metaflux 70-9801 Special Cleaner for the crack detecting set
2. Spray on the red contraster Metaflux 70-9802 and allow to act
3. Clean off the sprayed surfaces using Metaflux 70-9801 Special Cleaner and wipe dry with a clean cloth
4. Spray Metaflux 70-9803 Developer onto the fully dried surface. In the white surface of the developer, cracks are shown by the red marking

**70-9800** Crack and Porosity Detecting Set

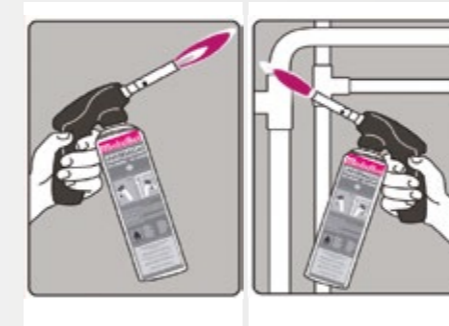
Set comprising 3 spray cans:  
**70-9801** 400 ml Special Cleaner  
**70-9802** 400 ml Contraster (red)  
**70-9803** 400 ml Developer (white)

70-99

## Universalgas

Colour	colourless
Propane	35%
Butane	65%

- Automatic safety shutter allows operation of changing devices with suitable Type 1 EN 417 standard thread (Euro thread)
- With highly refined gases for long trouble-free operation
- Mixture 35% propane and 65% butane ensures operation down to -15 °C
- Burning time of a cartridge is up to 7 hours, depending on the connection device



Universal gas: 35% propane and 65% butane is suitable for all propane / butane equipment, which correspond to type 1 of standard EN 417.

Good for soldering, thawing, weed killing, lighting, etc.

Also available:  
**Art.No. 94-6055**  
Hand soldering device with piezo ignition



**70-99** 600 ml cartridge  
1 pack = 12 cartridges

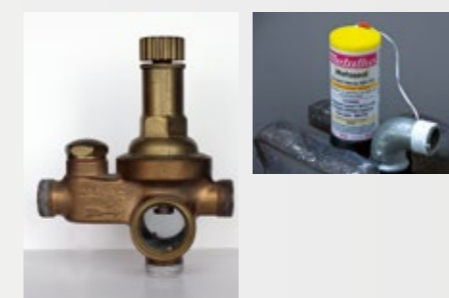
76-57

## Metaseal PTFE Sealing Tape

Colour	white
Temperature resistance	-200 °C to +240 °C



- Sealing tape in 100% PTFE
- Forms precisely the PTFE film required to seal screw fastenings
- Adapts to any pipe diameter
- Resistant to most chemicals, liquids, solvents, acids, oils and gases



Start to wind the tape at the head of the threaded part, without worrying about any overlaps. Apply the lubricant found in the removable black base to the tape and spread (2 to 3 drops are sufficient). Ensure that sufficient material is used, particularly at the pipe opening.

Approved under:  
DIN DVGW, WRAS, ASTM, BAM, UL Listed

**76-57** 175 m reel with protected cutter and integrated lubricant

# Paint, Varnish, Marker, and Primer sprays



70-51

## Top-Black Spray

Colour	black
Thickness	0.75 g/cm <sup>3</sup>



### Benefits

- Black spray paint
- Resistant to fuel, impacts from stones and gritting salt
- Dries quickly and evenly

### Applications



### Application areas

Freshening up and repairing metallic surfaces, wood and most plastics with a black paint film.

### Packaging

**70-51** 400 ml spray can  
1 pack = 12 cans

Colour sample



70-59

## Primer Spray

Colour	light grey
Thickness	0.778 g/cm <sup>3</sup>



- Grey primer spray
- Compatible with all acrylic, polyurethane and nitrocellulose paints
- Good coverage



Shake can well until mixer ball knocks side of can.

Reliable adhesion to all metals, polyester, wood, concrete etc.

**70-59** 400 ml spray can  
1 pack = 12 cans



70-71, 70-72, 70-73

## Marking Sprays, various colours

Colour	bright yellow, bright red, bright blue
Thickness	0.91 g/cm <sup>3</sup>



- Coloured marker spray
- Water-resistant and weather-resistant
- Resistant to abrasion and wiping away
- Highly visible



For labelling and marking on asphalt, concrete, stone, soil, lawns etc.

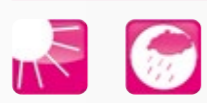
**70-71** 500 ml Marker Spray, bright yellow  
**70-72** 500 ml Marker Spray, bright red  
**70-73** 500 ml Marker Spray, bright blue  
1 pack = 12 cans

# Paint, Varnish, Marker, and Primer sprays



**70-90**  
**Acrylic Lacquer Sprays**  
 as per RAL Scale

<b>Colour</b>	Choose from up to 100 colour tones
<b>Thickness</b>	0.75 g/cm <sup>3</sup>



- Benefits**
- Goes on easily
  - High solids content
  - Quickly dry to the touch
  - Dries well
  - Scratch-resistant
  - Weather-resistant
  - Very good coverage
  - Contains no heavy metals: no lead, cadmium, chrome

**Applications**



**Application areas**

Acrylic lacquer sprays as per the RAL scale are standardised colour tones, as used for instance in the furniture sector or in the metal, ceramics and plastics industries. Ideal for an accompanying re-painting or touch-up. For repairs or a fresh look.

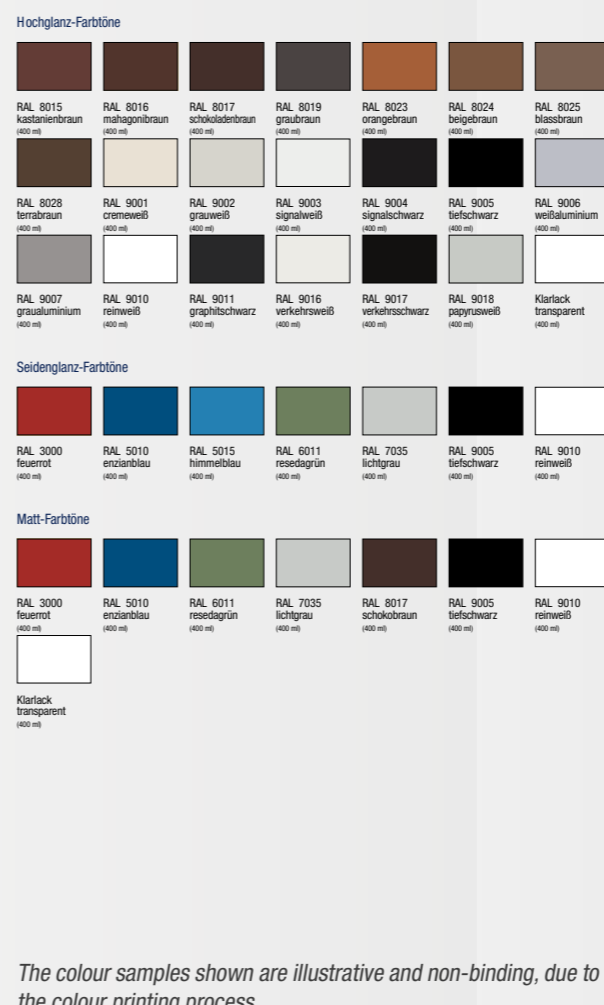
Acrylic lacquer sprays can be used on: metal, wood, ceramics, stone, clay, glass, paper and some plastics. Spray application using two runs, for instance, achieves a thickness of approx. 40-50 µm.

Drying times are as follows:  
 Dust-dry: after 5 - 10 minutes  
 Touch-dry: after 30 - 40 minutes  
 Fully dry after approx. 24 hours

**Packaging**

**70-90** 400 ml spray can  
 1 pack = 12 cans  
 Minimum order volume: 6 cans per colour tone

**Request a current colour sample sheet from us and choose from up to 100 colour tones!**



*The colour samples shown are illustrative and non-binding, due to the colour printing process.*



# Cleaning sprays

70-15

## Rapid Cleaner Spray

Colour	colourless
Thickness	0.703 g/cm <sup>3</sup>



### Benefits

- Rapid cleaning without vapours that are harmful to health
- Non-irritating
- Completely residue free
- Specially recommended for cleaning of brakes, oil burners and electronic circuits
- Does not attack rubber and plastics

### Applications



### Application areas

Intensive cleaning of parts contaminated with oil and grease, in the workshop, for assembly, prior to painting or gluing. Particularly well suited to cleaning of oil burners in heating units, of circuit boards and electronic circuits.

### Packaging

**70-15** 400 ml spray can  
1 pack = 12 cans

75-17

## Citrus Cleaner Spray

Colour	colourless
Thickness	0.826 g/cm <sup>3</sup>

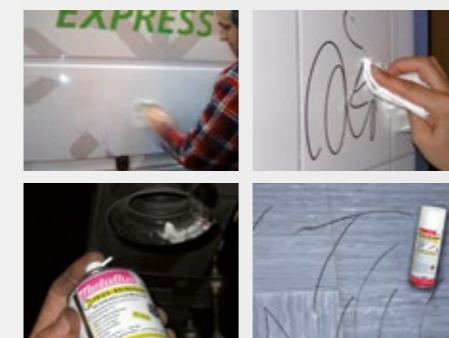
75-88

## Citrus Cleaner Gel Spray

Colour	colourless
Thickness	0.775 g/cm <sup>3</sup>



- Special cleaner
- Treated surface dries quickly
- High active ingredient concentration
- PH neutral (pH value 7.0)
- Temperature range from -30 °C to +70 °C Pleasantly fresh odour



This special cleaner is a product based on natural active ingredients, for effective removal of: rubber residues and abraded rubber from metal surfaces and tools, oils, greases, resin, tar, residues of dyes and adhesives, pencil marks, ballpoint pen and felt pen marks, stickers on glass surfaces and windowframes, etc. Cleaning of industrial and mechanical equipment in the tyre industry, window construction, the plastics industry, on public buildings, in schools, on public transport, for coach companies, in slaughterhouses, for construction companies, etc.

**75-1700** 400 ml spray can  
**75-1701** 100 ml spray can  
**75-88** 400 ml spray can  
1 pack = 12 cans

75-18

## Glass Cleaner Spray

Colour	white
pH value	< 11.5 (at 20 °C)
Thickness	0.948 g/cm <sup>3</sup>



- Special cleaner
- Antistatic effect (repels dirt)
- Fast, no-smear cleaning
- Very good coverage
- Neutral odour



Special glass cleaner for effortless removal of fingerprints, grease, nicotine, dust, etc.

**75-18** 400 ml spray can  
1 pack = 12 cans

Shake can well before use. Spray on and wipe off immediately using a clean cloth. Rub down using a dry cloth. Do not use in immediate proximity of naked flames.

75-16

## Foam Cleaner Spray

Colour	colourless
pH value	< 11.2 (at 20 °C)
Thickness	0.93 g/cm <sup>3</sup>

- Special cleaner
- Corrosion protection inhibitor
- Very good coverage



For interior and exterior cleaning of glass, plastics, metals, rubber, chrome, paint, textiles, upholstery, tiles, carpets, etc.

**75-16** 400 ml spray can  
1 pack = 12 cans

Shake the can well and spray the foam on from a distance of approximately 25 cm. Rub off the cleaner foam using a dry cloth, and test textiles beforehand for colour fastness. If the stain is particularly persistent, repeat the treatment.

# Cleaning sprays

70-55

## Stainless Steel Care

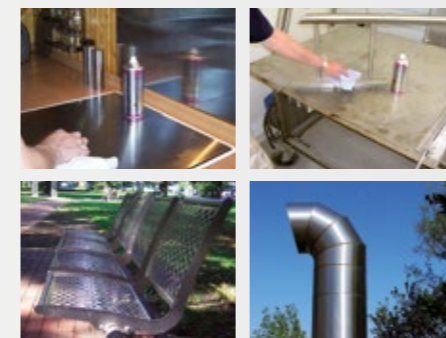
Colour	colourless
Thickness	0.695 g/cm <sup>3</sup>



### Benefits

- Special cleaner
- Removes dust and dirt effortlessly
- No cleaning smears
- Antistatic effect
- Cleaned surfaces shine like new

### Applications



### Application areas

Ultra-effective special care product for stainless steel and for tiles and smooth plastic surfaces in commercial kitchens, gastro engineering, kitchen installation, hospitals, food production enterprises, lifts, banks, chrome-nickel processing operations, catering, etc.

Apply the stainless steel care spray evenly onto the surface to be cleaned, allow to act for a short time and wipe down with a lint-free dry cloth. Fresh marks from fingerprints etc. can be simply removed using a dry cloth.

### Packaging

70-55 400 ml spray can  
1 pack = 12 cans

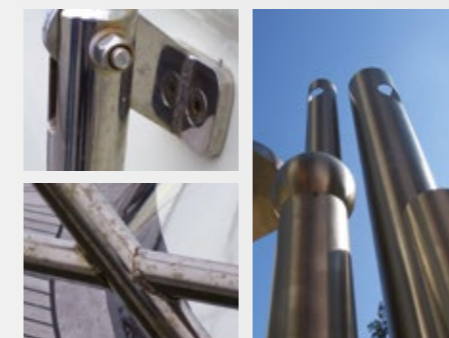
70-32

## Stainless Steel Base Cleaner Spray

Colour	white
pH value	2.3 (at 20 °C)
Thickness	0.93 g/cm <sup>3</sup>



- Special cleaner for stainless steel surfaces
- Removes even stubborn dirt
- Also suitable for limescale, verdigris, rust film, and sediment
- Adds a fresh shine
- Economical to use



Apply the stainless steel base cleaner spray to the dirty surfaces, allow time to act and polish off thoroughly using a clean cloth in the direction of the working of the metal. Due to the high solids content, the can must be shaken thoroughly before each spraying operation, and if the work is undertaken over a longer period repeat the shaking at intervals.

Recommendation:  
After base cleaning, protect the surface using Metaflux 70-55 Stainless Steel Care Spray.

70-32 200 ml spray can  
1 pack = 12 cans

75-05

## Stainless Steel Foam

Colour	white
pH value	< 11.5 (at 20 °C)
Thickness	0.948 g/cm <sup>3</sup>



- Special foam cleaner for stainless steel Removes light to medium dirt quickly and thoroughly from all stainless steel surfaces
- Free of abrasive materials
- The foam structure ensures good and long-lasting adhesion to vertical surfaces



Can be used in:  
Working stainless steel, commercial kitchens, hospitals, hotels, restaurants, food preparation plants, agriculture, servicing and maintenance, automotive, railing construction, gardening and landscaping works, in public facilities, washrooms and WCs, in industry and in craft-based companies.

Application: shake can before use. Spray on from approx. 25 cm distance and rub off the cleaning foam using a dry cloth. If the marks are particularly stubborn, repeat the treatment.

75-05 400 ml spray can  
1 pack = 12 cans

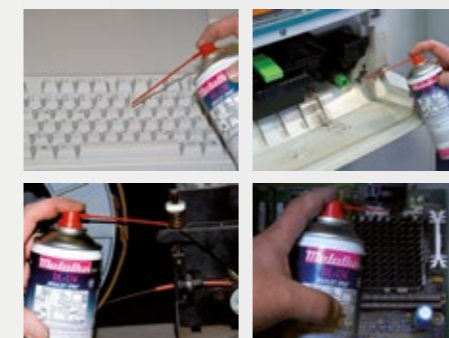
75-15

## Compressed Air Spray

Colour	colourless
Thickness	0.91 g/cm <sup>3</sup>



- Odourless
- No residues
- Very good output
- Not self-combustible
- No loss of pressure until the can is entirely empty



Dirt is blasted off using high pressure, without leaving any residue behind. Ideal for areas that are difficult to access in the workshop, office or car/truck, for high-tech equipment or for assembly and for hobby working.

75-15 400 ml spray can  
1 pack = 12 cans

# Cleaning sprays

75-06

## Wheel Rim Cleaner Spray

Colour	colourless
pH value	approx. 10.5 (at 20 °C)
Thickness	1.09 g/cm <sup>3</sup>

### Benefits

- Wheel rim cleaner
- Loosens stubborn deposits such as brake dust, dirt from the road and residues from gritting salt
- Does not attack painted or metal surfaces, brake discs, rubber and plastics
- Also suitable for steel alloy rims
- The foam structure makes for efficient cleaning, as the foam adheres well and does not run off immediately, unlike liquid cleaners

### Applications



### Application areas

Spray rim cleaner onto the surface and allow to act for 2 to 3 minutes.  
Then rinse off dirt with water and a sponge, or take car through a car-wash

### Packaging

**75-06** 600 ml spray can  
1 pack = 12 cans

75-07

## Glass Care Spray Plus

Colour	colourless
pH value	approx. 10.5
Thickness	0.968 g/cm <sup>3</sup>

- Special cleaner
- Cleans and protects all smooth surfaces
- Repels dirt without scratching



Cleans and protects all smooth surfaces such as glass, mirrors, tiles, PVC, plastic, Plexiglas, blinds, showcases. Repels dirt such as dust, pollen, nicotine, fingerprints, etc, without scratching. Leaves a lasting, invisible protective film that protects against new stains, fingerprints and dirt.

Suitable for:  
Workshop, hotels and restaurants, offices, banks, public facilities, schools, hospitals, retail outlets, showrooms, retirement homes and more.

**75-07** 400 ml spray can  
1 pack = 12 cans

70-13

## Plastics Care ("Cockpit") Spray

Colour	colourless
Thickness	0.695 g/cm <sup>3</sup>



- Universal cleaner
- Effortlessly removes dust and dirt
- Non-smearing
- Cleaned surfaces gleam like new
- Reduced dust attraction
- Pleasantly scented
- Silicone-free



Caring for plastic parts, painted and plastic-sealed surfaces, and exposed and matt-finish metals.

**70-13** 400 ml spray can  
1 pack = 12 cans

75-10

## Screen Clear Spray

Colour	white
pH value	approx. 8
Thickness	0.915 g/cm <sup>3</sup>

- Special cleaning foam for LCD / TFT
- Suitable for coated and uncoated surfaces
- Cleans quickly and streak-free
- Quick and easy to use
- Reduces eye fatigue and irritation through clean monitors



Cleaning and care of LCD / TFT screens, touch screens and displays as well as for cleaning of plastic surfaces eg on housings, telephones, PCs and office machines.

Removes impurities like dust, nicotine and fingerprints and delays their return.

**75-10** 200 ml spray can  
1 pack = 12 cans

# Skin protection, skin cleansing and skin care

70-28

## Hand Protection Foam

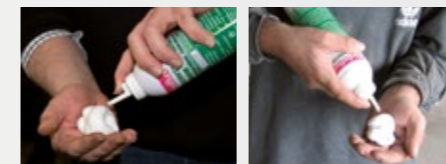
Colour	white foam
Thickness	0.947 g/cm <sup>3</sup>



### Benefits

- Dermatologically tested
- Protects hands against heavy dirt
- Water-resistant and soap-resistant
- Prevents skin irritations
- Non-toxic
- Allows the skin to breathe and transpire normally
- Prevents skin from drying out
- Very good coverage

### Applications



### Application areas

Shake aerosol can well before applying. Wash and dry hands. Apply a walnut-sized dose of the foam on the cleaned surfaces of the hand and rub in. Leave to dry for 1 - 2 minutes.

The skin is protected for approx. 4 hours, after which the protective film dissolves due to normal carry-off from sweat.

### Packaging

**70-28** 400 ml spray can  
1 pack = 12 cans

75-02

## Hand-Wash Paste

Colour	beige
pH value	6.5 (at 20 °C)
Thickness	0.9 g/cm <sup>3</sup>



- Hand cleaning agent, dermatologically tested
- Effortlessly removes grease, tar, oil, paint, resin etc.
- Natural rubbing agents (no microplastics)

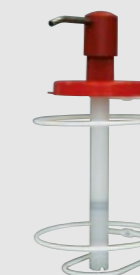


Protective, intensive hand-cleaning, even on heavy contaminations. Through its specifically-acting skin protection, the hand-wash paste cleans pleasantly and mildly, leaving a fresh orange fragrance on the skin.

Put a small amount of the hand-wash paste onto previously-moistened surfaces of the hands, rub in well and rinse off with water. Dry hands afterwards.

Also available:

Art. No. 75-0200 Dispenser with wall mount for 3-litre tub of hand-wash paste



**75-8000** 300 ml tube  
**75-0203** 3 l tub (suitable for the Metaflux dispenser)  
**75-0210** 10 l tub  
**75-0230** 30 l tub  
**75-0200** Dispenser

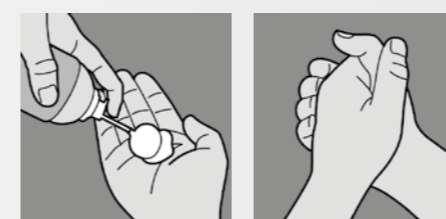
75-09

## Hand-Cleaning Foam

Colour	white colour
pH value	approx. 7 (at 20 °C)
Thickness	0.87 g/cm <sup>3</sup>



- Dermatologically tested
- Removes dirt such as oil, grease etc. through a simple washing action of the hands
- Economical to use (can sufficient for approx. 70 applications)
- Ideal for travelling, construction and assembly
- Can be used entirely without water



Shake aerosol can well before applying. Apply a walnut-sized dose of the foam on the dirty hands and perform a washing action with the hands, until the dirt has loosened.

For skin-sensitive cleaning without using water.

**75-09** 150 ml aerosol can  
1 pack = 12 cans

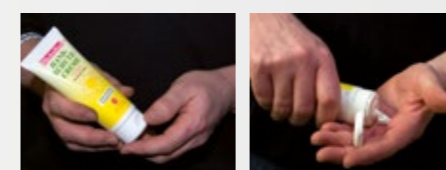
75-82

## Hand Protection Cream

Colour	white
--------	-------



- Dermatologically protected hand protection cream
- Protects using natural bees-wax and allantoin
- Spreads easily
- Leaves a pleasant feeling on the skin



Massage cream in evenly as needed, several times daily – protects and calms stressed skin.

**75-82** 100 ml tube  
1 VE = 24 tubes

# Skin protection, skin cleansing and skin care



75-92

## Metaflux® SkinProtection

Colour	white emulsion
pH value	5.4 - 5.8
Thickness	0.95 - 1.02 g/cm <sup>3</sup>



### Benefits

- Dermatologically tested "very good"
- Reduces the penetration of dirt into the skin
- Contains nourishing substances and natural α-bisabolol as an effective ingredient as well as chamomile for anti-inflammatory action
- pH-skin neutral
- Silicone-free

### Applications

Metaflux® SkinProtection protects against watery and non-aqueous agents.

It is a non-greasy skin protection product that is easy to distribute on the skin and absorbs well. The skin is protected by changing working conditions with only one product.

### Application areas

Protection against: coolants, other lubricants, moisture and wet, dilute acids, alkalis, oils, tar, grease, bitumen, inks, various, paints, carbon black, pigments, cement, lime, various adhesives, PU foams, waterproofing materials etc. as well as cold.

Carefully rub the skin protection lotion into the clean and dry skin before working the hands together, not forgetting the gaps between the fingers and the nails. Applicable all over the body.

### Packaging

75-9201 1 litre bottle  
75-9202 2 litre bottle

Also available:  
75-9200 Plastic dispenser for 1 and 2 litre bottles



75-93

## Metaflux® SkinCleaner

Colour	light beige
pH value	approx. 6
Thickness	0.89 g/cm <sup>3</sup>



Concentrated skin cleanser for the removal of medium to heavy skin soiling in all areas of industry and trade. Deep pore cleansing with lasting skin protection and effective regeneration of natural skin oils.

- Dermatologically tested "very good"
- Easily removes oils, greases, tar, bitumen, various colors, etc.
- Its surfactants are biodegradable
- Silicone-free
- Natural fragrance
- Contains no micro-plastics

Metaflux® SkinCleaner contains a complex, synergistic tested system, which contributes to a skin-friendly removal of soiling. High-quality fats of natural origin ensure a good greasiness of the skin.

High-quality, skin-friendly natural fragrant agents enhance the cleaning effect without polluting the environment.

Effortlessly removes medium to heavy soiling from such sources as oil, fats, tar, bitumen, various colours and inks, etc.

Rub the hand cleaner into the dirty, dry hands until the dirt dissolves. Only then add a little water, wash thoroughly and rinse well.

75-9302 2 litre bottle

Also available:  
75-9200 Plastic dispenser for 1 and 2 litre bottles



75-94

## Metaflux® SkinCare

Colour	White to pale yellow emulsion
pH value	5.4 - 5.8
Thickness	0.9 - 1.0 g/cm <sup>3</sup>



High-active, low-fat, high-quality skin care lotion for the care and regeneration of damaged skin.

- Contains high-quality care substances and special moisturisers
- Absorbs very quickly into the skin
- Promotes regeneration
- Dermatologically tested "very good"
- pH neutral skin-neutral
- Silicone-free

Metaflux® SkinCare strengthens the defense system of the healthy skin by consistent application and demands the regeneration of damaged areas of skin.

This keeps the skin healthy, supple and well-groomed.

Apply the skin care lotion after work on the clean, dry skin and rub in well.

Applicable to the whole body.

75-9401 1 litre bottle  
75-9402 2 litre bottle

Also available:  
75-9200 Plastic dispenser for 1 and 2 litre bottles



75-9322

## Metaflux® SkinCleaner

Colour	Light beige
pH value	approx. 6
Thickness	0.89 g/cm <sup>3</sup>



Apply the main care lotion to clean, dry skin after work and rub in well. Applicable all over the body.

75-9322 2 litre soft bottle

Also available:  
75-9200 Plastic soap dispenser for 1 and 2 litre bottles



75-9200

## Plastic Dispenser for bottles

- Suitable for 1 and 2 litre bottles
- Very hygienic application
- No spillage while refilling possible
- Exact dosage
- Soft bottles can be easily emptied by vacuum
- Very economical in consumption

75-9200 Plastic dispenser for 1 and 2 litre bottles

# Skin protection, skin cleansing and skin care



75-72

## Metavlies Cloths

Colour	white
--------	-------

### Benefits

- For cleaning, maintenance etc.
- Textile characteristics
- Very soft and lint-free
- Highly absorbent, can be washed
- Solvent proof
- Particularly tear resistant even when wet

### Applications



### Application areas

Cleaning cloth for wiping and washing many areas: industrial locations, e.g. oily surfaces.

### Packaging

75-72 1 carton = 1 spender package approx. 300 sheets



75-99

## Disposable - Nitrile Gloves - 80

The Disposable Gloves protect against many liquids and are also suitable for contact with food.



- Oil and Fat Resistant
- Excellent Grip
- Latex Free
- Highly Tear Resistant

75-9910 Size M  
75-9920 Size L  
75-9930 Size XL

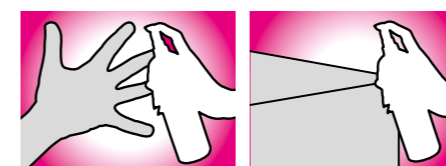


70-93

## Hand & Surface Disinfectant Spray

Colour	white foam
Thickness	0.947 g/cm <sup>3</sup>

- Ready for immediate use
- Handy container size, ideal for the coat or trouser pocket, handbag, tool bag and at meetings or travelling
- The contained secondary alcohol evaporates almost residue-free
- Pleasant, slightly citrus fragrance



Sprinkle surfaces with rapid disinfection and allow to sit for at least 60 seconds or wait until it has evaporated. Performing washing movements while waiting, and ensure that product is applied between the fingers.

70-93 75 ml pump spray  
1 pack = 12 sprays

After use we recommend the Metaflux Hand Protection Cream **Art. No. 75-82**.



76-99

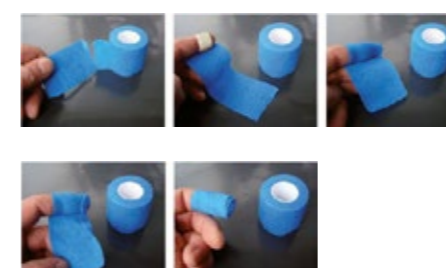
## Professional Bandage

### FIRST AID BANDAGE FOR PROFESSIONALS

The elastic, self-adhesive protective bandage has been specially developed for use on injuries to fingers and fingertips.

It only sticks to itself, not to skin and hair.

- Flexible, breathable and easy to use
- Does not restrict freedom of movement
- Relieves pain at the site of the injury
- The use of scissors is not required
- Also suitable for the prevention of injuries
- Contains no latex
- Especially economical in use



### Application:

Tear off the protective bandage and turn it slightly around the area protecting you. For fingertip applications, wrap the product around your finger once so that it protrudes 1.5 cm. Fold the protruding product and wrap the rest of the bandage around your finger. In order to avoid congestion effects, the protective bandage should only be wrapped around the area to be protected with a slight amount of tension and should not come into direct contact with the wound.

76-9900 Storage holder  
(with 2 rolls of bandages)  
1 roll 2.5 cm wide  
4.5 m long (stretched)  
1 roll 5 cm wide,  
4.5 m long (stretched)

76-9903 Refill pack  
Contains 3 rolls  
2.5 cm wide and  
4.5 m long (stretched)

# Special products

70-91

## Contact Spray



Colour	clear
Thickness	0.67 g/cm <sup>3</sup>

### Benefits

- Dissolves, displaces, secures, protects, lubricates, cares
- No disturbing side effects
- Does not attack plastic, rubber, fabric or painted surfaces
- Free of silicone

### Applications



### Application areas

Removes and prevents moisture-related malfunctions and failures of electrical systems and plug connections.

Electrical switching contacts are sprayed with this product, not rinsed. The corrosion protection ensures permanent electrical contact capability (do not use the product under tension). Suitable for the maintenance and repair of plugs, switches, regulators, terminals, buttons, etc.

### Packaging

**70-91** 400 ml spray can  
1 pack = 12 cans

70-04

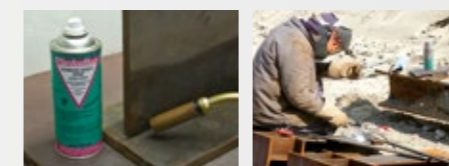
## Anti Spatter Spray



Colour	white
Thickness	1 g/cm <sup>3</sup>



- Special separating agent
- Free of silicones and silicone oils
- Safe to use with galvanised products
- Can be washed off with warm water
- Unthinned active ingredient concentrate
- Very economical
- Nonflammable



Simply spray on to prevent adhesion of welding beads during electro-welding along the weld seams, and keeps nozzles clean during shielded arc welding.

**70-04** 300 ml spray can  
1 pack = 12 cans

71-04

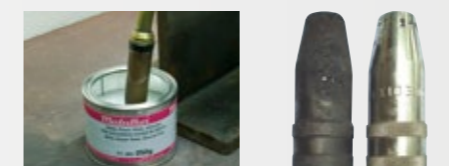
## Nozzle Paste



Colour	white
Thickness	1 g/cm <sup>3</sup>
Viscosity	6.0 mm <sup>2</sup> /s



- Nozzle cleaning grease
- Based on natural raw materials
- No dangerous thermal decomposition products
- Economical to use



Reliably protects nozzles against weld spatter adhesion  
Dip the hot nozzle into the paste. This melts and forms a protective film on the nozzle.

**71-04** 250 g can

70-79

## Hi Performance Welding Protection Spray

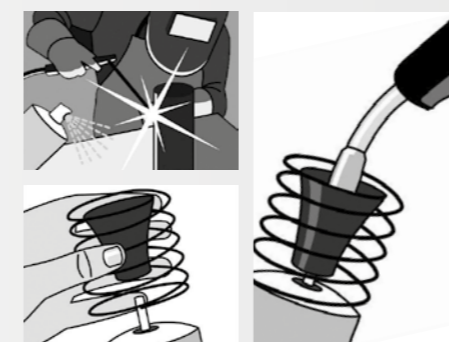


Colour	white
Thickness	0.685 g/cm <sup>3</sup>

Together with the Metaflux Spiral it is possible to reduce consumption when spraying the nozzle by up to 50%.



- Special release agent
- For nozzles and surfaces
- Suitable for MIG / MAG, spot welding, laser and plasma cutting
- Increases tool life
- Protects welding tips, power, gas nozzles and clamping devices extremely effectively against spatter and welding beads



The sprayed-on protective film prevents adhesion of welding beads during electric welding along the weld seams and keeps the nozzles clean during gas-shielded welding. Applicable to the area as spray or with the spiral pointed directly in the welding nozzle. Shake vigorously for 30-60 seconds before use, de-rust and degrease the spray surface.

Spray distance 25-30 cm, exposure time 1-2 minutes, before further processing the protective film with METAFLUX 70-15 quick cleaner spray or similar.

**70-79** 400 ml spray can  
1 pack = 12 cans  
**70-7999** Spiral for 70-79

# Special products

70-06

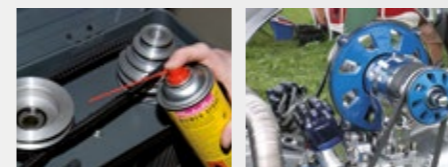
## Belt Spray

Colour	yellow
Thickness	0.715 g/cm <sup>3</sup>

### Benefits

- Bonding agent and care product based on polyolefins
- Prevents surface smoothing
- Does not contain tar or resins
- Achieve performance enhancement of up to 50%
- Extends servicing intervals
- Extends the lifetime of belts by up to 100%

### Applications



### Application areas

Use with all flat and moulded drive belts in rubber, leather, fabric, and particularly effective on machines in the open air or in humid rooms in sectors such as automotive, agriculture, construction, landscaping, industry, maintenance yards, fodder concentrate works, mills, etc.  
Spray directly onto the belt or belt disk with the belt running, so that the active ingredient is spread over the underside of the belt. Completely cover new belts with a thin spray film. To maintain performance, simply repeat application periodically.

### Packaging

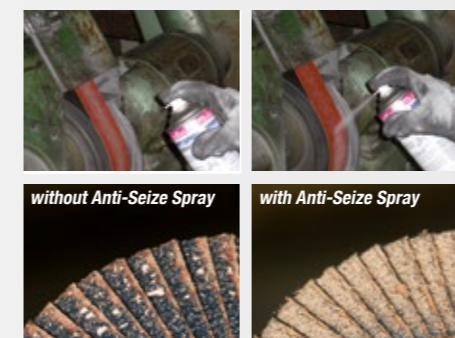
70-06 400 ml spray can  
1 pack = 12 cans

70-30

## Anti-Seize Spray for Cutting and Grinding

Colour	yellow
Thickness	0.715 g/cm <sup>3</sup>

- Special cleaner
- Prevents the grinding wheel from seizing
- Extends lifetime of the cutter or grinder several times over
- Prevents overheating when grinding
- Silicone free



Spray for grinding and finishing or base materials in aluminium, copper, stainless steel, steel with external and internal teeth, lamella, fibre discs, etc.  
Also used to avoid overheating during grinding on steel and stainless steel.

70-30 400 ml spray can  
1 pack = 12 cans

Helps prevent tools seizing up with material that has been ground off, and extends tool lifetimes. With no loss of grinding effect, the lifetime of the cutter or grinder is extended several times over, thereby reducing working times.

70-33

## Sealant & Adhesive Remover Spray

Colour	white
Thickness	0.72 g/cm <sup>3</sup>

- Removes sealant, adhesive and lacquer residues
- Removes PU glues and silicone
- Due to its high-viscosity (gel) recipe, also very well suited for vertical surfaces
- Removes cyanoacrylate and anaerobic glue residues



Shake can well before use, spray onto the surface to be cleaned and leave to act for 5-15 minutes, depending on the severity of the dirt. After this, residues can be removed with a spatula or cloth.

70-33 400 ml spray can  
1 pack = 12 cans

The product should not be used on sensitive surfaces without a preliminary test for suitability.

75-14

## Oil-Remover-Spray

Colour	colourless
Thickness	0.72 g/cm <sup>3</sup>

- Oil stain remover with deep-cleaning action
- Penetrates deep into the material
- Loosens even stubborn oil or grease marks



Shake well before use. Spray onto the dry surface from around 30 cm distance and leave to act. Sweep away or vacuum up the dry white powder that forms and dispose of it in accordance with the regulations. If the contamination is heavy, repeat the process if necessary.

75-14 500 ml spray can  
1 pack = 12 cans

Warning:  
Do not apply Oil Remover Spray to bitumen or painted or hot surfaces.



# Special products

75-57

## Industrial Cleanser

Colour	colourless
Thickness	0.72 g/cm <sup>3</sup> at 20 °C

### Benefits

- fast and penetrating action
- acetone free
- non-corrosive

### Applications



### Application areas

For the cleaning of greasy, oily metallic surfaces. After flushing down the dirt, wipe with clean cloth.

Check for compatibility on aluminum, non ferrous metals, lacquers, varnishes, rubber and plastic before use.

### Packaging

**75-57** 500 ml spray can  
1 pack = 12 cans

70-94

## Plastic Release Agent

For plastic impressions, several impressions are achieved by a single spray application. The high content of active ingredient in the product allows for economic use and low consumption with simple spray application.

- Silicone Free Release Agent based on Natural oils for plastic and rubber separations and welding applications
- Easy to wash off
- Long lasting release effect

Apply the spray from a distance of approx. 30 cm to the clean residue free mould. Apply sparingly to avoid scrapping of first mouldings due to streaking or stress cracking.

**70-94** 400 ml spray can  
1 pack = 12 cans

70-97

## Universal Impregnability Spray

Colour	colourless
Thickness	0.678 g/cm <sup>3</sup>

Highly dosed and very effective impregnation product for the professional impregnation of textiles, fabrics and leather

**Clothing:** Work and private garments: such as anoraks, parkas, vests, suits, overalls, ties, trousers, blouses, cloth shoes, suede and leather shoes, rainwear, ski clothing, sports and leisure clothing

**Furnishings:** upholstered furniture, carpets, covers, garden coverings, Awnings, gazebos, Awnings, tarpaulins.

**Cars and commercial vehicles:** seat cushions, panniers, mats, child seats, convertible covers made of fabric

**Leisure:** Backpacks, briefcases and school bags, tents, umbrellas and umbrellas, sports and hiking boots, riding boots and much more

**70-97** 400 ml spray can  
1 pack = 12 cans

75-71

## Metaflux Microfibre Cloth (white)

Dries and polishes all sensitive surfaces. Pre-clean dirty surfaces and use the dry cloth to polish to a finish.

Even if it becomes moist, it continues to dry the surface.

- Size 45 x 32,5 cm
- Washable to 60° C
- 70% polyester, 30% polyamide



# Special products

70-27

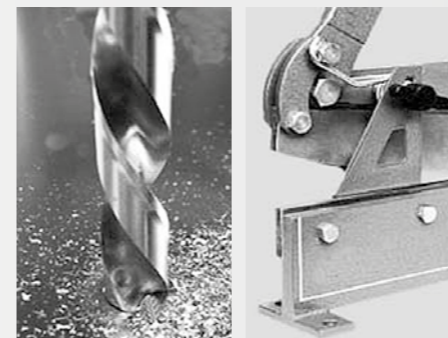
## HG Foam Cutting Spray

Colour	Yellowish
pH value	7 - 8 (at 20 °C)
Thickness	0.965 g/cm <sup>3</sup> (at 20 °C)

### Benefits

- Very good cooling effect
- Very good adhesion (even on curved surfaces)
- Increases the service life of drills and metal layers by up to 100%
- Compatible with all water-miscible cooling lubricants
- Washable with water
- Sulfur-free
- Mineral oil-free
- No volatile chlorinated hydrocarbons

### Applications



### Application areas

Stainless steel (all chrome-nickel alloys), unalloyed or alloyed steel, cast steel, malleable cast iron, die-cast, copper, cast brass, gunmetal, aluminum ...

#### Typical applications:

- Metal Drilling: Spray directly onto the drill or the surface to be drilled
- Metal layers: Spray along the cutting edge
- Internal pipe thread: HG cutting foam spray adheres to the work-piece

### Packaging

70-27 400 ml spray can  
1 pack = 12 cans

70-03

## Tool Spray

Colour	white
Thickness	0.86 g/cm <sup>3</sup>



- Rapidly conducts heat away, cooling effect
- Prevents tarnishing on CrNi-steel and copper
- Adheres perfectly to angled surfaces
- Nitrite-free, compatible with skin
- No aggressive additives, no problematic odours
- Increases drill bit life and cutting tool times by up to 100%
- Increases the cutting performance of metal saws by up to 40%



Universal cutting oil for all metals, from the hardest stainless steel and titanium to soft metals such as copper, brass, aluminium and cast metal. Can be used universally for all cutting and working processes.

#### Typical applications:

- Drilling metal: spray directly onto the drill or the surface to be drilled
- Sawing metal: spray along the cutting edge
- Internal pipe thread: cutting spray adheres to the work-piece.

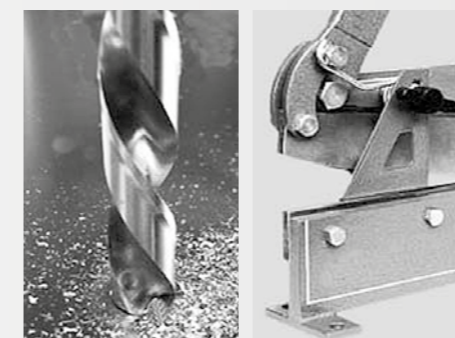
70-0300 400 ml spray can  
70-0301 100 ml spray can  
1 pack = 12 cans

71-03

## Cutting Paste

Colour	colourless
Thickness	1 g/cm <sup>3</sup> at 20 °C

- Cutting paste for all common metal-working processes such as thread cutting, reaming, sawing, drilling, counter-sinking, deburring, turning, punching and milling
- Excellent separation and cooling effect
  - Increases tool life even with hard and brittle materials
  - High heat resistance ensures good lubrication and cooling even at high temperatures
  - Good adhesion improves lubrication



#### Application:

Apply active substance to the tool surface

71-03 50 ml Stick

75-55

## Stainless Steel Care Wipes

Temperature for use	5 °C - 25 °C
pH value	7 (at 20 °C)
Colour	Yellowish

- Cleans efficiently and streak-free
- Cleansing and care in one operation
- Effortlessly removes stains such as fingerprints and fat
- Renews the shine of the surface
- Leaves a nourishing film that does not build up even when used repeatedly and protects against new dirt buildup



The special cloth system, consisting of cleaning and care products, leaves a nourishing film, which does not build up even with multiple applications.

Ideal for the maintenance of metal surfaces, metal covers, e.g. of machines, elevators, handrails, refrigerators, cake utensils etc. Wipe off the surface evenly with the cloth and allow the care film to dry briefly. For brushed steel surfaces, complete the last cleaning step in the brush direction.

75-55 Dispenser container with 50 cloths 200 x 250mm  
1 pack = 6 containers

# Special products

70-11

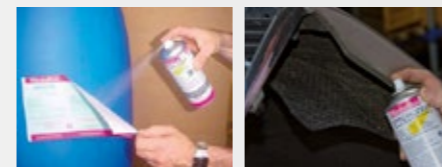
## Adhesive Spray

Maximum heat resistance	up to 80 °C
Colour	white colour
Thickness	0.705 g/cm <sup>3</sup>

### Benefits

- Ideal as a large-area adhesive
- Bonds quickly
- Very good adhesive strength
- Humidity-resistant
- Practical and clean to use
- Economical
- Bonds securely and firmly to the surface
- Newly-developed dosable spray head for wide-area or targeted application
- Short-term heat resistance up to 100 °C

### Applications



### Application areas

Shake can thoroughly. Gluing surfaces must be clean and grease-free. Apply spray adhesive thinly and evenly from a distance of approx. 25 cm to both sides. Allow adhesive surfaces to dry out for at least 10 minutes, then put together and apply pressure.

Warning: do not use if temperature is below 5 °C.

### Packaging

**70-11** 400 ml spray can  
1 pack = 12 cans

70-21

## Meta-Fill kneadable filler

Heat resistance	up to +200 °C
Pressure resistance	7,840 N/cm <sup>2</sup> (800 Kp/cm <sup>2</sup> )
Tensile strength	2,940 N/cm <sup>2</sup> (300 kp/cm <sup>2</sup> )
Curing	3 hours at 20 °C
Spec. weight	2.0

- Rapid repair epoxy resin
- Simple to apply
- Can also be used under water
- Can be painted over
- Keeps for at least 3 years (in the sealed pack)



Rapid repair 2-component epoxy resin for sealing pipes and tanks, attaching screws and hooks, renewing defective threads, compensating for unevenness, plugging holes, etc.

Mix equal parts of the yellow and blue components together until a homogeneous green kneadable compound is produced. Then use within 15 minutes. The areas to be repaired must be clean and free of oil and grease.

**70-2180** 800 g plastic box  
**75-2150** 400 g plastic box

70-26

## K(w)ick-Start Spray

Colour	colourless
Thickness	0.643 g/cm <sup>3</sup>



- Starting aid spray
- High ignition enhancer content
- Optimal spraying
- Including under extreme cold
- Effective ignition enhancement



K(W)ICK START improves start-up on 2-stroke and 4-stroke petrol and diesel engines. Successful starts, particularly in the wet or cold. Ideal for engines with a cord-pull starter.

Spray K(W)ICK START into the air filter or air intake and start.  
TIP: if attempts at starting are unsuccessful (too much fuel in the engine), before using K(W)ICK START first start several times with the throttle valve open (e.g. accelerator pedal depressed). Then apply K(W)ICK START.

**70-26** 400 ml spray can  
1 pack = 12 cans

76-01

## Activator for cyanoacrylates

Spray to accelerate hardening for:

- Inactive materials
- Large layer thicknesses
- Unfavourable ambient conditions

- Allows for gluing of inactive materials
- Fast
- Easy to use

**76-01** 200 ml spray can  
1 pack = 12 cans

# Special products

70-66

## Stainless Steel Pickling and Polishing Paste

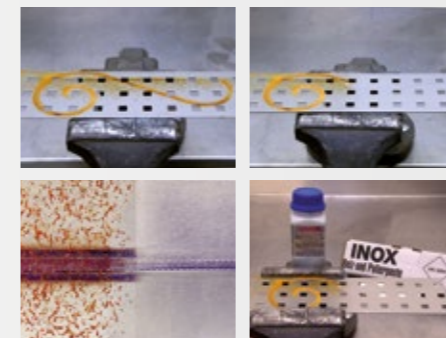
Colour	grey
Thickness	1.98 g/cm <sup>3</sup> at 20 °C



### Benefits

- Stainless steel pickling product
- For chrome-nickel-steel
- For preventative removal of:
  - Paint runs
  - Patches of rust
  - Residues of adhesive

### Applications



### Application areas

Pickling: apply the paste with a wooden spatula or brush and allow to act, depending on the application, for up to 5 minutes. Then rub off using a dry cloth and wash down with water.

Polishing: apply paste using moist felt or cloth, rub in and allow to act for a short time. Then rub off using a dry cloth and wash down with water.

### Packaging

70-66 1 kg can  
70-6633 330 g can

Each comes with 1 pair of protective gloves

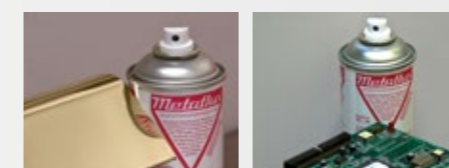
70-19

## Protect Spray

Colour	clear
Temperature resistance	up to 100 °C
Coverage	up to 30 m <sup>2</sup>



- Transparent coating
- Smooth surface
- Repels dirt
- Permanently elastic
- No discolouration if heated or subjected to UV light
- Does not alter thermal conductivity



Protective seal for metals, metallically coated surfaces and all other smooth surfaces, for circuit boards, electrical switches, electrical coils, electrical currentcarrying rails.

70-19 400 ml spray can

1 pack = 12 cans

75-08

## Windscreen Deicer Spray



- Windscreen de-icer
- Thaws frozen windscreens in seconds
- Protects against re-freezing
- Clear vision at all times during winter



**Caution:** To clear an iced windscreen, spray the Windscreen Deicer Spray over the whole screen in order to remove all iced areas. Do not scrape a small area of screen to clear the ice as your visibility is considerably restricted and can cause an accident and even if not your fault, you can still be penalised as your visibility is restricted.

75-08 300 ml spray can

1 pack = 12 cans

75-61

## Insect Remover Spray

pH value	< 11.5 (at 20 °C)
Colour	white
Thickness	0.948 g/cm <sup>3</sup>

- Does not attack lacquer, chrome, plastic, rubber, etc.
- Residues are removed quickly and gently
- Neutral odor
- Very efficient



### Application areas

Special cleaner that softens even dried-on insect dirt without attacking the surface. Frees glass, paint, plastic and chrome quickly and effortlessly from insects and other contaminants.

75-61 400 ml spray can

1 pack = 12 cans

# Special products

70-70

## Thermex-Paste

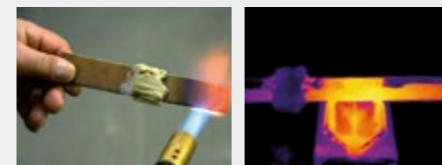
Colour	light olive
Thickness	approx. 2.0 g/cm <sup>3</sup> at 20 °C



### Benefits

- Ceramic thermal protection paste
- No unnecessary disassembly
- No charring of cables and seals
- No unnecessary burning away of paint
- No reglvanising
- No damage done to chrome and plastic parts
- No warping, bruising twisting
- Leaves no residues
- Can be reused several times over

### Applications



### Application areas

Stops welding heat and soldering heat with millimetre precision up to 4,000 °C.

### Packaging

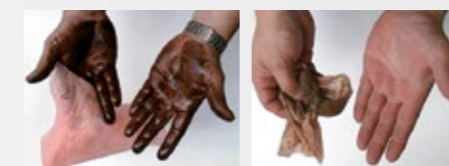
**70-7025** 2,5 kg bucket  
**70-7050** 5 kg bucket

75-70

## Cleaning Cloths

pH value	approx. 7.0 (at 20 °C)
----------	------------------------

- Moist cleaning cloths for rapid cleaning of surfaces and hands
- Perforated cleaning cloths
- Solid hardwearing cloth
- Pleasant citrus fragrance



Quickly and thoroughly removes oils and grease, fresh residues of paint and lacquer, adhesives and bitumen, felt pen and ballpoint pen marks, ink and stamping dye, remnants of food, shoe polish, etc. from: plastic surfaces, textiles, carpets and upholstery, tools and machinery. Also particularly suitable for hand cleaning (no water required).

**75-70** Dispenser bucket with approx. 7.2m<sup>2</sup> cleaning area

Take a cleaning cloth from the dispenser bucket and rub the surface to be cleaned or your hands with the cloth. Then simply allow to dry.

72-70

## Anti-Slip Protection



- Environmentally compatible thawing medium with long-term effect
- Thaws ice and snow effectively down to -50 °C
- Firm adhesion on inclines up to 45 degrees
- Economical to use
- Kind to animals
- Water hazard category (WKG) 1
- Protects against moisture



For a light frost, around 20 g of Anti-Slip Protection is needed per m<sup>2</sup>. Thicker ice and snow may require up to 100 g/m<sup>2</sup>.

**72-7001** 10 kg pot  
**72-7025** 25 kg pot  
**72-7010** 100 kg pot

**Application:**  
Scatter Anti-Slip Protection evenly onto the area to be thawed out.

72-90

## Oil Environmental Protection Set

- Highly absorbent
- All substances containing oil are absorbed



The essential equipment for immediate measures in the event of minor leaks or spillages.

**72-8040** Oil-Ex oil absorber  
**72-91** 2 oil absorbing cloths  
**75-28** 1 bottle of stain remover, 500 ml

For reliable absorption and trapping of oil contamination.

Also available:  
Art. Nr. 72-9100 Oil-Absorbing Cloths, pack of 10



# Special products

75-83

## Odour Neutraliser Spray



The odour neutraliser ensures longlasting fresh air of the rooms and gives every room a pleasant indoor climate. Thanks to its special valve, even large rooms are quickly deodorised with a spray.

Colour colourless

### Application areas

Workshops, industry, department stores, nursing homes, funeral homes, pathology, sanitary facilities, sports facilities, changing rooms, schools, public buildings, restaurants, dining rooms, hotels, etc.

### Benefits

- Removes any unpleasant odor
- Fresh, fruity scent
- Long lasting effect in seconds
- Also suitable for large rooms with TURBOVALVE

### Packaging

75-8300 600 ml spray can  
1 pack = 12 cans



70-67

## Bake Fix Spray



**Separates and prevents sticking with natural ingredients**

The application is absolutely simple and effective. The baking release agent provides protection against sticking and baking, eliminates cumbersome and unhygienic greasing.

### Benefits

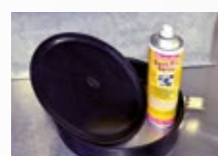
- Absolutely tasteless
- No sticking of baked goods
- No residues in the baking molds
- Ideal for all baking trays, pans and baking dishes, bread makers
- Particularly economical to use
- 100% vegetable oils and fats
- Easy to process

### Application areas



### Packaging

70-67 500 ml spray can  
1 pack = 12 cans



# Quickfinder - by Article Number

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RUST-I-SOL . . . . .	70-36	18	Universal grease, long acting . . . . .	71-40	34
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Date: January 2020 – E&OE. Original products may differ from the product photos shown. All information is non-binding and provided by way of illustration. No warranty claims can be derived from this information.

The METAFLUX range of products comprises over 100 sprays developed in-house, and every year sees fresh innovations added to this range. But one constant in all METAFLUX development is the emphasis placed on these three guiding principles:

- The highest possible technical quality
- The lowest possible air contamination in the workplace
- Maximum consideration for the environment

Strict respect for these principles guarantees that METAFLUX sprays will continue to be an internationally leading product range going forward.



Visit us on the internet at:  
**[www.metaflux.de](http://www.metaflux.de)**

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