

14 RUST RELEASE & PROTECTION

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ROST OFF



Designation	Contents	Art. No.
Aerosol	300 mL	890.2
Canister	5 L	890.3

Technical Data	
Basis	Mineral oil
Colour	Light-yellow transparent
Density at 20 °C (active substance)	7.78 g/cm ³
Temperature range	-10 °C to +140 °C (+14 °F to +284 °F)
Flash point of active substance	200 °C (392 °F)
Base oil viscosity	16.5 mm ² /s

High-quality rust releaser

High capillary action

- Optimal creep properties result in high level of rust penetration, i.e. even stubbornly rusted-on screw connections are released

Optimally dissolves rust

- Gets under rust and loosens seized screws and bolts

Excellent water displacement

- Displaces and gets under moisture, e.g. in case of contact difficulties

Optimum corrosion protection due to addition of corrosion protection additives

- Provides lasting protection against further corrosion

Resin and acid-free

Silicone-free

Compatible with rubber and seals

Directions:

Spray parts to be treated and allow to penetrate. In case of stubborn connections, repeat application and extend penetration time if necessary.

Areas of Application:

For releasing rusty and oxidized screw connections on passenger cars, trucks, agricultural and construction machines, equipment and devices.

Lubricant system

- Oil
 Grease
 Paste
 Dry lubricant
 Corrosion protection

ROST OFF GOLD



Designation	Contents	Art. No.
Aerosol	300 mL	890.20011

Highly-active foaming rust release agent

Long-lasting penetrating foam

- A highly focused foam that adheres to the surface as it penetrates through rust and corrosion. The penetrating action remains where you spray it.

2-in-1 rust releasing capability

- This unique formula creates an ice effect that instantly drops the temperature and helps crack heavily rusted surfaces, while the active substance continues to loosen firmly-stuck threads.

Low-consumption and anti-corrosion properties

- Provides a foaming action that reduces run-off, provides excellent moisture displacement and long-lasting protection against further corrosion.

Suitable for all work surfaces

- Produces highly-adherent no-drip foam on the work piece that clings to the surface and creeps into hard to reach areas.

Resin and acid-free

Silicone-free

Compatible with rubber and seals

ROST OFF PLUS



Designation	Contents	Art. No.
Aerosol	300 ml	890.200

Areas of Application:
Loosening of extremely corroded and oxidized screws, bolts, nut connections, etc. on automobiles, trucks or construction equipment, machineries and other equipment.

Directions:
Spray the surfaces to be treated and allow to take effect briefly. In case of stubborn rusted connections repeat the application and, if required, allow more reaction time.

Technical Data	
Basis	Mineral oil
Solid lubricant	OMC ₂ additive
Colour	Light-yellow transparent
Density at 20 °C (active substance)	7.78 g/cm ³
Temperature range	-10 °C to +140 °C (+14 °F to +284 °F)
Flash point of active substance	200 °C (392 °F)
Base oil viscosity	16.5 mm ² /s

Lubricant system

- Oil
 Grease
 Paste
 Dry lubricant
 Corrosion protection

High-performance rust dissolving agent with additional lubricating properties through OMC₂ technology

Strong capillary action

Your advantage:

- Optimal creep properties guarantee outstanding penetration and removal of rust

Contains liquid, highly effective molybdenum compound OMC₂

Your advantages:

- In contrast to products containing solid lubricants, e.g. MOS₂, OMC₂ does not separate in larger containers
- Friction is reduced
- Best possible lubricating effect by smoothing of metal surfaces
- Compounds permanently retain gliding capability

Optimal corrosion protection owing to corrosion protection additives

Your advantage:

- Lasting protection against further corrosion

Material compatibility

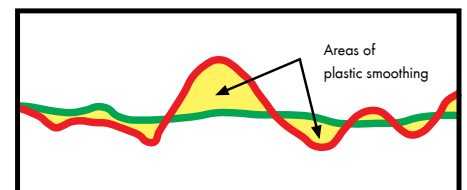
Contains no silicone, resin or acid

Operating temperature range: -10 °C to +140 °C

Function principle of OMC₂ technology:

Viewed under a microscope, all metal surfaces are rough and are subject to continual wear and loss of substance due to friction. OMC₂ additives render metal surfaces smoother due to thermoplastic flow deformation through organo-metallic compounds. The flow deformation is controlled individually, depending on the load the metal surface is subjected to.

- Improved surface quality due to metal surface sealing
- Improved lubricating film
- Reduced thermal loading
- Less friction (up to 50% in mixed friction area)
- Reduced loss of substance
- Reduced wearing
- Longer service life



■ Original surface

■ Smoothed surface

ROST OFF ICE

High-grade rust releasing agent with new freezing micro-crack technology and an excellent creeping action



Cracking effect

Your advantage:

- When the surface of the material, e.g. that of a threaded bolt, is cooled down to -40°C , microscopic cracks appear in the layer of corrosion at the joints, and these cracks break up the rust and therefore ensure better penetration by the active substance

Phenomenal capillary action

Your advantage:

- Superior creeping properties combined with the cracking effect ensure excellent penetration of rust

Ideal rust removing capability

Your advantages:

- Penetrates rapidly underneath rust and loosens bolts that have seized up
- Extreme firmly rusted-up screw connections can be easily loosened without damaging the bolts

Ideal corrosion protection properties thanks to corrosion protection additives

Your advantage:

- Long-term protection against subsequent corrosion

Free from resins and acids

Silicone-free

No damage to rubber and seals

Directions:

Remove major contaminants as much as possible. Shake can before use. Firmly-stuck parts (bolts) should be directly sprayed from a very short distance away, and the rust remover allowed to act for 1–2 minutes. Repeat process in case of stubborn rust.

Areas of Application:

Makes it easy to loosen badly rusted-on and oxidized screw connections on cars, commercial vehicles, agricultural and construction machinery, auxiliary equipment and appliances.

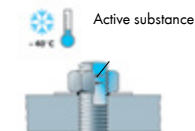
Designation	Contents	Art. No.
Aerosol	400 ml	893.240

Technical Data	
Basis	Petroleum
Colour	Pale yellow transparent
Density at 20°C (active substance)	0.78 g/cm^3
Temperature range	-10°C to $+40^{\circ}\text{C}$
Base oil viscosity	$< 5\text{ mpa/s}$

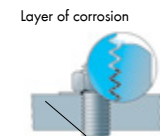
How the crack effect happens



1. Bolt is sprayed from a short distance.



2. The surface material of the screw cools down to -40°C . This reduces the diameter of the bolt.



3. Microscopic cracks appear in the layer of corrosion between the turns of the thread. The corrosive compound between the bolt and the nut is thus loosened, allowing the active substance to rapidly penetrate the rust.

Lubricant system

- Oil
 Grease
 Paste
 Dry lubricant
 Corrosion protection

ANTI-CORROSION SPRAY



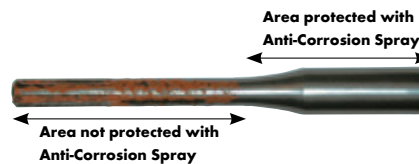
Colour	Contents	Art. No.
Transparent	300 mL	893.15

Areas of Application:

For the preservation of tools, machines and vehicle components, e.g. snow chain, roof racks, snowblower, forklifts, scalpels etc. Suitable for warehouse and garage door frames. Can be used in hard-to-reach areas in the engine compartment, on body flanges and in wheelhouses. Excellent protection for motorcycles and bicycles, especially during winter storage. Ideally suited for use on any surfaces and superstructures that are exposed to a high concentration of salt, e.g. by the coast, or at sea. Superb protection for boat engines/superstructures.

Directions:

Clean and dry the surfaces to be treated. Then, thinly apply the corrosion protection spray. For ideal protection, repeat application every 6 months.



Creeping, colourless special fluid

Low-viscosity special oil with outstanding creeping properties

Your advantages:

- Provides protection even in hard-to-reach areas
- Stops the spread of corrosion

Very good material compatibility on a wide range of surfaces including e.g. painted surfaces, metals and plastics

Your advantage:

- Multi-purpose

Self-sealing, non-drying protective film

Your advantages:

- Scratches, chips, etc. are sealed with no additional effort
- No corroding surfaces for liquids to attack

Economical: only a little required

Your advantage:

- Save time and money

Outstanding salt-water-resistance complying with DIN 50021

Your advantage:

- Provides excellent protection even in the toughest conditions

Recommended:

Würth Brake and Parts Cleaner

Art. No. 890.9107

Cleaning Towels

Art. No. 899.800653

Disposable Gloves

Prefix 899

ANTIRUST COATING- BLACK



Art. No. 890.180900 – 946 mL

Super hard non-porous coating that kills rust and permanently seals out moisture, rust and corrosion. Excellent on rusted or new metal.

- Can be used to paint directly over rust.
- Seals rust permanently.
- No need to remove rust before applying.
- Dries to a perfect satin gloss and is used on exterior surfaces before final painting.
- For use on all ferrous metals.
- Can be applied over bare metal.
- Provides a thick scratch and chemical resistant coating.
- Fantastic anti-chip property.

For best results:

- Rusty and painted surfaces should have paint removed.
- Dry, flaking rust should be removed with a wire brush.
- Wipe clean with W-Sol, Art. No. 890.113 to remove grease or dirt.
- Ensure surface is dry.
- Apply a second coat to completely seal the first. Allow to dry thoroughly before applying a second coat.

RUST CONVERTER



Art. No. 893.110 – 1 L

Dispersion based Rust Converter. Rust Converter neutralizes the corrosion process by converting rust and ferrous oxides into a stable and insoluble, blue-black Metallo-organic complex.

Features:

- May be painted over and filled after the reaction time (3 hours)
- Not harmful to the environment
- After the reaction time of 3 hours, the surface may be over painted with any commercial paint systems or with the underbody protection systems
- May also be filled with polyester fillers

Applications:

Trunks, wheel wells, pillars, pinch welds. Contains a creeping agent ideal for hard to reach areas of contamination

Directions:

Must be poured into a separate container to avoid contamination. Ensure surfaces treated are free from oil and grease and remove any loose rust. Wash off any salt deposits with water and dry fully before application of Rust Converter.

Using a brush, roller, or spray (max 44 psi) apply thinly and evenly. Avoid drips and runs. The Rust Converter is not a paint, therefore treated surfaces should be painted within 48 hours. Do not use paints with a high zinc content. Rust Converter is ready for over painting when a blue-black colouring appears (approx. 3 hours). Do not wash treated surfaces with water (unwanted splashes of the product may be removed with methylated spirits or water, but only before the reaction time).

Store and use only in a plastic container. Application and storage temperature 0 °C to +40 °C (32 °F to +104 °F). Do not store or use in direct sunlight or on hot surfaces, protect from frost. Shelf life is 5 years.

RUST-STOP QUATTRO



Colour	Contents	Art. No.
Silver Grey	400 mL	893.2141



Note: Turn can upside down and spray until valve is empty after use.

Fast-drying universal primer with a broad range of applications.

4 in 1

- Primer
- Adhesion agent
- Corrosion protection
- Welding primer

Priming

Your advantage:

- Reliably prevents further rusting with anti-oxidation formula

Adhesion agent

Your advantages:

- Good application surface structure for further painting work.
- Suitable for use in conjunction with PU and MS polymer sealing compounds.

Corrosion protection

Your advantages:

- Excellent long-term protection against oxidation.
- Outstanding resistance to splashed and salt water

Welding primer

Your advantage:

- Can be welded through both wet and dry

Very high thermal stability up to

- 300 °C (572 °F), and briefly up to 500 °C (932 °F)

VOC* - compliant

Your advantages:

- Solvent reduced.
- Complies with the VOC minimum content specified in the VOC Directive (1999/13/EC)

* Volatile Organic Compound

Properties:

Unique combination of primer, adhesion agent, corrosion protection and welding primer in one product.

Applications:

Freight forwarding companies, transport companies, commercial vehicle repair workshops, vehicle construction, building crafts, concrete mixing plants, agriculture, forestry, communities, etc.

Use:

The application surface must be clean, dry and grease-free. Lightly sand problematic application surfaces. Shake can well before using. Apply the first spray coating thinly. Comply with flash-off time. After approx. 20 min., can be painted over with all common 1-component, 6-component and water-based top-coat paint systems.

RUST-STOP PRIMER



Colour	Contents	Art. No.
White - Grey	400 mL	893.2101

Active corrosion protection for metallic surfaces

Good adhesive properties

Your advantage:

- Adheres to aluminum, bare and galvanized metal sheets, steel, old paint, etc.

Quick drying

Your advantage:

- Depending on layer thickness, can already be painted over after 10-15 min.

Thermally stable up to 80 °C, and briefly up to 140 °C

Can be sanded well

VOC*-conformant

Your advantages:

- Solvent reduced.
- Complies with VOC maximum content specified in the VOC Directive (1999/13/EC)

*Volatile Organic Compound

Note: Turn can upside down and spray until valve is empty after use.

Use:

The application surface must be clean, dry and grease-free. Remove dissolved rust, paint and dirt with a wire brush, scraper, etc. Surface-sand problematical application surfaces. Shake can well before using. Apply the first spray coating thinly. Comply with flash-off time. Drying time 25 min., after approx. 10-15 min. can be painted over with all common 1-component, 6-component and water-based top-coating paint systems.

Properties:

Active corrosion protection and adhesive primer with good adhesive properties on a wide variety of surfaces, including in conjunction with PU and MS polymer sealing compounds.

Applications:

Vehicle construction, ship building, metal and steel construction, tool manufacturing, bridge building, tank construction, pipeline construction, container construction, agriculture and forestry, municipal management, construction machines, etc.

ZINC 300



Art. No. 892.200 – 500 mL

- Provides good protection against corrosion from atmospheric influences
- Resistance up to approximately 300 °C
- Visually identical to hot galvanizing
- Two or three coats on the repaired surface will provide the required layer of thickness according to D.I.N. 50976
- Fast drying (dust dry after approximately 15 minutes; fully dry after approximately 6-3 days)
- Surface has to be dust, grease, and rust free according to D.I.N. 55928, up to the derusting degree SA 2.5 and must also be dry

Application:

- The layer thickness of the repair film should be 1.5 times that of hot galvanizing
- The repair coat should overlap the hot galvanizing area by at least 1 cm
- Can be welded through
- Can be applied with a paint gun, airless, or with a brush
- Cannot be over-painted

Application area:

- Steel construction, ship building, forging, locksmiths, and vehicle building