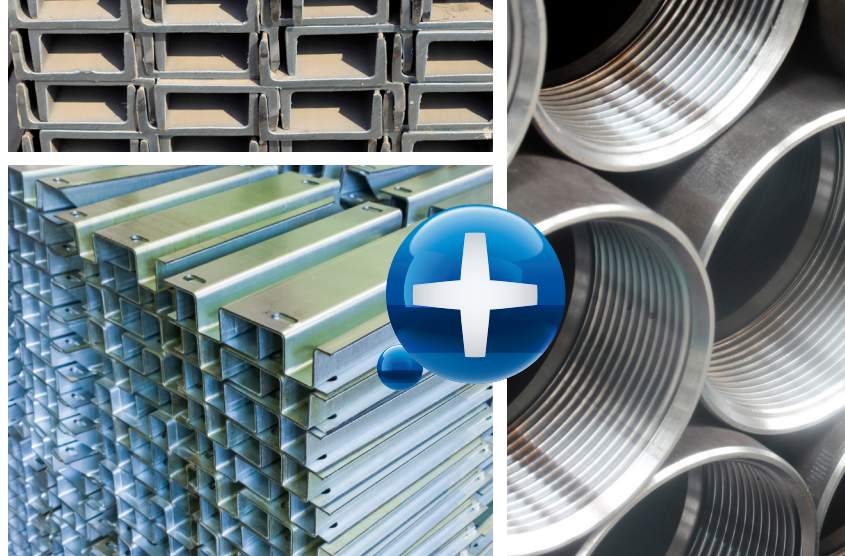


# Rust Preventives

Shield your metal from rust. Chemetall rust preventives provide the strongest line of defense against corrosion. Our diverse offerings are capable of meeting your most stringent protection demands, while surpassing your environmental requirements. We offer a full line of protective solutions to prolong the life of your valued product.



## CLEANERS/RUST PREVENTIVES

	Film Type	Est. Length of Rust Protection*	Application	Metals Compatibility	Flash Point
<b>SYNTHETICS</b>					
<b>Gardoclean® A 4892</b> (Protexo™ Cat) Medium to heavy-duty cleaner. Caustic based.	Dry	Up to 30 days indoors	Spray, immersion, ultrasonic, or vibratory	Ferrous metals	> 200°F
<b>Gardoclean A 4990</b> (Tech Clean® 7610M) Medium-duty cleaner. Low foaming. Membrane friendly.	Dry to slightly tacky	Up to 30 days indoors	Spray, immersion, or vibratory	Multi-metal	> 200°F
<b>Gardoclean A 4991</b> (Protech™ 1999LCMS) Light-duty cleaning. Good RP performance. Also used as engine jacket coolant in dynamometer testing programs.	Dry to slightly tacky	Up to 6 months indoors	Spray, immersion, or vibratory	Multi-metal	> 200°F
<b>Gardoclean A 5359</b> (Texo Kleen® 1704) Medium to heavy-duty cleaner. Non-caustic.	Dry	Up to 30 days indoors	Low pressure spray, immersion, ultrasonic, or vibratory	Multi-metal	> 200°F
<b>Gardoclean A 5363</b> (Permatreat® 435) Light-duty cleaner. Low foaming. Automotive industry approvals.	Dry	1 to 2 weeks indoors	Spray, immersion, or vibratory	Multi-metal	> 200°F
<b>Gardoclean A 5502</b> Light-duty cleaner for removing shop soils.	Dry	Up to 30 days indoors	Spray, ultrasonic, or vibratory	Multi-metal	> 200°F
<b>Gardoclean A 5548</b> Light-duty cleaner. Compatible with heat treating and welding operations.	Dry	Up to 6 months indoors	Spray, immersion, ultrasonic, or vibratory	Ferrous metals	> 200°F
<b>Gardoclean A 5549</b> Medium-duty cleaner. Compatible with heat treating and welding operations.	Dry	Up to 30 days indoors	Spray, immersion, ultrasonic, or vibratory	Ferrous metals	> 200°F
<b>Gardoclean A 5565</b> Medium-duty cleaner for removing shop soils.	Dry	Up to 30 days indoors	Spray, immersion, ultrasonic, or vibratory	Multi-metal	> 200°F
<b>Gardoclean A 7024TM</b> (Tech Clean 7024TM) Medium-duty cleaner based on caustic with silicates for multi-metal compatibility.	Dry	Up to 2 months indoors	Spray, immersion, ultrasonic, or vibratory	Multi-metal	> 200°F

\* Specific plant conditions (i.e. temperature, humidity, handling, etc.) may affect the length of protection.

**BASF**  
We create chemistry

**Chemetall**  
expect more+

## CLEANERS/RUST PREVENTIVES *continued*

	Film Type	Est. Length of Rust Protection*	Application	Metals Compatibility	Flash Point
<b>SYNTHETICS</b>					
<b>Gardoclean R 5344</b> (Geo-Guard 4017) Light-duty cleaner. Contains no sticky organic compounds. Membrane friendly.	Dry	Up to 30 days indoors	Spray or immersion	Ferrous metals	> 200°F
<b>Gardoclean R 5747</b> (Geo-Guard® 4021) Medium-duty cleaner. Membrane friendly.	Dry to slightly tacky	Up to 30 days indoors	Spray or immersion	Multi-metal	> 200°F

	Film Type	Est. Length of Rust Protection*	Application	Metals Compatibility	Flash Point
<b>EMULSIONS</b>					
<b>Gardoclean A 98</b> (Oakite 98) Light-duty cleaner for removing shop soils.	Dry to slightly oily	1 to 4 months indoors	Low pressure spray or agitated immersion	Multi-metal	> 200°F
<b>Gardoclean A 398LT</b> (Oakite® 398 LT) Medium-duty cleaner. Low foaming. Membrane friendly.	Dry to slightly oily	2 to 6 months indoors	Spray or agitated immersion	Multi-metal	> 200°F
<b>Gardoclean A 5572</b> Medium-duty cleaner. Extremely low foaming. Reduced VOC.	Dry to slightly oily	2 to 6 months indoors	Spray or agitated immersion	Multi-metal	> 200°F

## RUST PREVENTIVES

	Film Type	Est. Length of Rust Protection*	Application	Metals Compatibility	Flash Point
<b>SYNTHETICS</b>					
<b>Gardorol® CP NRP</b> (NRP) Very good RP for medium-term protection. Can be used for recirculating water systems. Can be painted over.	Dry	Up to 3 months indoors	Spray or immersion	Multi-metal	> 200°F
<b>Gardorol CPA Plus</b> (CPA Plus) Good RP for short-term protection. Used as a corrosion protection additive to coolant/lubricant or alkaline solutions or as a final RP rinse.	Slightly tacky	Up to 3 months indoors	Low pressure spray or immersion	Ferrous metals	> 200°F
<b>Gardorol CP 825</b> (Protexo 825) Good RP for short to medium term protection. Can be painted over.	Dry	Up to 3 months indoors	Spray or immersion	Multi-metal	> 200°F
<b>Gardorol CP 1650</b> (Protech 1650) Excellent RP for medium-term protection. Low foaming. Recommended for leak testers due to long term stability and clarity.	Dry to slightly tacky	Up to 6 months indoors	Spray or immersion	Ferrous metals	> 200°F
<b>Gardorol CP 1999C</b> (Protech 1999C, Protech 1999LC) Very good RP for medium-term protection. Dries in 30 minutes. Membrane friendly.	Slightly tacky	Up to 6 months indoors	Spray or immersion	Ferrous metals	> 200°F
<b>Gardorol CP 3999</b> (Protech 1999) Excellent RP for ferrous and multi-metal substrates. Reduced alkalinity for full compatibility and protection of aluminum components.	Dry to slightly tacky	Up to 6 months indoors	Spray or immersion	Multi-metal	> 200°F

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## RUST PREVENTIVES *continued*

	Film Type	Est. Length of Rust Protection*	Application	Metals Compatibility	Flash Point
<b>EMULSIONS</b>					
<b>Gardorol CP 8028</b> (Protexo 1125) Preformed emulsion RP for long-term protection. Reduced VOC.	Dry to slightly oily	Up to 6 months indoors	Agitated immersion or non-atomizing spray	Multi-metal	> 200°F
<b>Gardorol CP 8029</b> (Rust Preventive 1, Rust Preventive 2) Excellent corrosion resistance for bare steel or over heavy phosphate.	Slightly oily	Up to 6 months indoors on bare metal; 1 year indoors on zinc phosphate coatings	Immersion, brush, or non-atomizing spray	Steel and non-ferrous metal	> 200°F

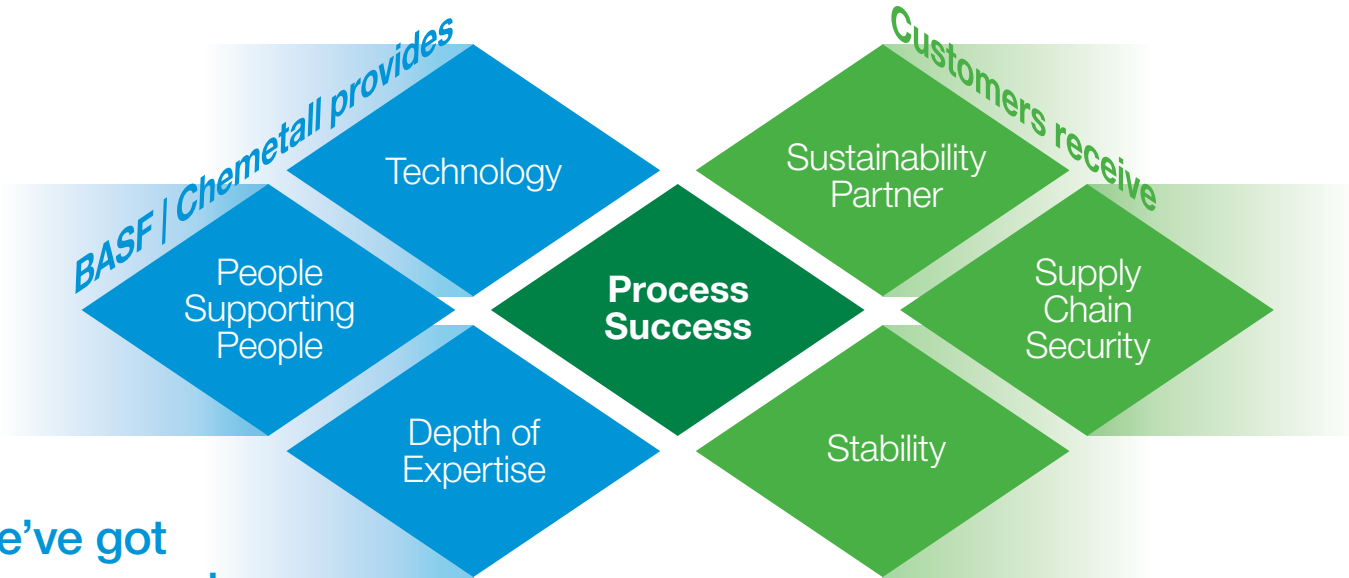
	Film Type	Est. Length of Rust Protection*	Application	Metals Compatibility	Flash Point
<b>SOLVENT/OIL (Water Displacing)</b>					
<b>Gardorol CP HPO</b> (HPO) Good RP for medium-term protection. Non-staining.	Oily	Up to 4 months indoors	Immersion, brush, or non-atomizing spray	Multi-metal	170°F
<b>Gardorol CP SPO</b> (Special Protective Oil) Very good RP for long-term protection. Non-staining.	Dry to slightly tacky	Up to 4 months indoors	Immersion, brush, or roller	Multi-metal	104°F
<b>Gardorol CP 20M</b> (Ryconox™ 20 M) Premium RP providing long-term protection. Prevents fingertip etching during handling.	Slightly oily	6 months to 1 year indoors	Immersion, brush, or non-atomizing spray	Multi-metal	265°F
<b>Gardorol CP 1300</b> (Protech 1300) Very good RP for long-term protection. Fast drying.	Dry to slightly oily	6 months to 1 year indoors	Immersion, brush, or non-atomizing spray	Multi-metal	147°F
<b>Gardorol CP 1440CA</b> (Protech 1440CA) Very good RP for long-term protection. Low viscosity.	Slightly oily	Up to 4 months indoors	Immersion, brush, or non-atomizing spray	Multi-metal	262°F
<b>Gardorol CP 8019</b> High performing RP providing long-term protection. Fast drying.	Dry to slightly oily	1+ year indoors	Immersion, brush, or non-atomizing spray	Multi-metal	160°F
<b>Gardorol CP 8031</b> (Geo-Guard 4743) High performance oil based RP for long-term protection.	Oily	6 months to 1 year indoors	Immersion, brush, or non-atomizing spray	Multi-metal	>210°F
<b>Gardorol CP 36205</b> (Protech 36205) High performance RP for long-term protection. Compressor Industry approved.	Dry to slightly oily	6 months to 1 year indoors	Immersion, brush, or non-atomizing spray	Multi-metal	147°F

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### North American Headquarters

675 Central Avenue  
New Providence, NJ 07974  
Tel: 908-464-6900  
Toll-free: 800-526-4473  
Fax: 908-464-7914

[www.ChemetallINA.com](http://www.ChemetallINA.com)

### Chemetall Canada Limited

5025 Creekbank Road,  
Building A, Floor 2  
Mississauga, Ontario, Canada  
L4W 0B6  
Tel: 905-791-1628  
Toll-free: 877-311-1471

### Chemetall Mexicana, S.A. de C.V.

Avenida El Tepeyac No. 1420-B  
Parque Industrial O'Donnell-Aeropuerto  
El Marqués, Querétaro  
C.P. 76250, México  
Querétaro Tel: +52 (442) 227 2000  
Monterrey Tel: +52 (81) 8371 2517

### Chemetall U.S.

1100 Technology Drive  
Jackson, MI 49201  
Tel: 517-787-4846  
Toll-free: 877-941-3800  
Fax: 517-787-5538

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