

# Manufacturing Process Cleaners

Chemetall process cleaners are designed to deal with a wide variety of soils such as oil, grease, and burnt-on carbon. Even mineral scales, rust, and general soils are no match for our process cleaners. Better yet, our cleaners are effective on steel, cast iron, aluminum, galvanized, yellow metals, and many other common manufacturing substrates.



	Spray	Immersion	Other	Liquid	Powder	Steel	Multi-Metal
<b>ALKALINE CLEANERS</b>							
<b>Ardrox® 185/Ardrox 185L</b> Heavy-duty scale, rust, and carbon removers. Removes some paints.	+	+		+	+	+	
<b>Ardrox 405-V</b> Cleaner removes light soils, oils, and general soils. Also used for floor scrubbing.	+	+	F,M,U	+		+	+
<b>Gardoclean® S 2017 (CPD-2017)</b> Excellent detergency for removal of particulate soils and mineral scale. Phosphated and silicated.	+	+	T,V	+		+	Aluminum
<b>Gardocean T 5417 (Dynadet)</b> Heavy-duty cleaner for removing light rust, greasy, oily, and carbonaceous soils.		+	T,U,V		+	+	Brass, Copper
<b>Gardoclean 205 (Fleetline 205)</b> Removes hardened grease, grime, oil, and carbon. Excellent rinsability.	+	+	F,M,S,U	+		+	
<b>Gardoclean 3802 (Oakite 220NP)</b> Heavy-duty cleaner for concrete and asphalt. Removes oils and carbonaceous soils. Biodegradable and phosphate-free.		+	M,S,T,V	+		+	+
<b>Gardoclean 4896 (LRS)</b> Versatile cleaner removes general soils, metalworking fluids, oxides, rust, phosphate coatings, and paint.	+	+	T,U,V	+		+	Brass, Copper
<b>Gardoclean 5467 (Okemclean)</b> Heavy-duty caustic cleaner for spray and agitated immersion. Effective on difficult applications including carbonaceous soils.	+	+	T,U,V	+		+	+
<b>Gardoclean R 1700 F</b> Highly alkaline product designed for descaling and cleaning.	+	+	T,V	+		+	
<b>Gardoclean S 5219</b> High performance silicate free alkaline cleaner for spray or agitated immersion. EDTA free and oil rejecting.	+	+	T,V	+		+	+
<b>Gardoclean S 5249</b> Highly alkaline cleaner for removing corrosion, films and phosphate coatings. Use with additives for removal of organic soils and paints.	+	+	T	+		+	
<b>Gardoclean S 5413 (Low Heat Cleaner 3)</b> Heavy-duty cleaner for removing oils, metal forming fluids, and burnt-on soils. Biodegradable. Contains no NPE surfactants.	+	+	M,S,T,V	+		+	

C = Circulation in-place    F = Foam    M = Manual    S = Steam  
T = Tumbling/Barrel    U = Ultrasonic    V = Vibratory

**BASF**  
We create chemistry

**Chemetall**  
expect more+

	Spray	Immersion	Other	Liquid	Powder	Steel	Multi-Metal
<b>ALKALINE CLEANERS</b>							
<b>Gardoclean 1207 (Pyrene 1207-SD)</b> Heavy-duty cleaner removes oil, grease, carbon, rust, and some paints.	+	+	T,U,V	+		+	
<b>Gardoclean 4894 (Rustripper)/ Gardoclean A 5745 (Super Rustripper)</b> Heavy-duty cleaners remove forming lubes, carbon, shop soils, rust, and paint.	+	+	T,U,V		+	+	Brass, Copper
<b>Gardoclean 5472 (Versadet)</b> All-purpose cleaner removes a wide variety of soils found in manufacturing. Works in hard or soft water.		+	M		+	+	+
<b>Gardoclean 5846 (STC)</b> Low-foaming cleaner removes drawing compounds, soils, carbon, and grease. Ideal for high-pressure spray washers.	+	+	T,U,V			+	Brass, Copper
<b>Gardoclean S 1006 (Pyrene US 1006)</b> Heavy-duty cleaner for removing difficult soils such as heavy oils, carbon, and many tenacious soils.		+	U	+		+	+
<b>Gardoclean S 1322 (Roundhouse)</b> Non-caustic cleaner for general soils, oils, and grease. Ideal for use with pressure wash systems.	+	+	M,S,U	+		+	
<b>Gardoclean S 4897 (Speedet)</b> Biodegradable, phosphate-free cleaner removes oils, grease, and carbon.		+	F,M,S,U	+		+	Brass, Copper
<b>Gardoclean S 5471 (Super Turbo Det)</b> Removes grease, gunk, soils, and carbon. Low-foaming.	+	+	T,U,V		+	+	+
<b>Gardoclean S 5844 (PDR 0001)</b> Heavy duty cleaner containing solvents for difficult soils. Ideal for agitated immersion and low pressure recirculating spray washers. Pretest for aluminum.	+	+	T,U,V	+		+	+

	Spray	Immersion	Other	Liquid	Powder	Steel	Multi-Metal
<b>MILD ALKALINE/NEUTRAL/SOLVENT CLEANERS</b>							
<b>Gardoclean A 5468 (Citridet)</b> Solvent-based cleaner for removing heavy soils, oils, and greases.	+	+	U	+		+	+
<b>Gardoclean A 5572</b> Emulsion cleaner with rust prevention. Very low foam.		+	M	+		+	+
<b>Gardoclean R 5593 (BetaSolv)</b> Removes uncured paints and paint films, adhesives, sealants, binders, and inks. Excellent for cleaning paint application equipment.		+	C,M	+		+	Aluminum
<b>Gardoclean T 5470 (Oakite 3)</b> Mildly alkaline burnishing compound. Also used as an immersion cleaner for removing buffing compounds.		+	T,U,V		+	+	+
<b>Gardoclean T 5843 (Liqui-Det)</b> Highly concentrated cleaner removes dirt, oils, soils, and light grease. Buffing compound remover in immersion or ultrasonic equipment. Performs in hard water. Excellent rinsability.		+	F,M,S,U,V	+		+	+
<b>Gardolube V 2 (Draw Clean V)</b> Solvent-based cleaner and degreaser for parts and equipment. Non chlorinated/fluorinated. 120°F flash point. Also used as vanishing lubricant.		+	M	+		+	+

C = Circulation in-place F = Foam M = Manual S = Steam T = Tumbling/Barrel U = Ultrasonic V = Vibratory \*Gardoclean 4894 is immersion only

	Spray	Immersion	Other	Liquid	Powder	Steel	Multi-Metal
<b>MILD ALKALINE/NEUTRAL/SOLVENT CLEANERS</b>							
<b>Gardacid® N 4480/1 (SCN-9194)/ Gardacid N 4494/1 (SCN-9194CL)</b> Neutral pH rust removers based on organic phosphate technology. Provides short-term rust protection.	+	+	T,U,V	+		+	+
<b>Gardoclean A 334 (Tech Solv 334)</b> Non-chlorinated/fluorinated solvent-based cleaner removes oils and greases. 142°F flash point.		+	M	+		+	+

	Spray	Immersion	Other	Liquid	Powder	Steel	Multi-Metal
<b>ACID CLEANERS</b>							
<b>Fisan® CIP Acid</b> Heavy-duty, low-foaming cleaner removes oxides, heat-scale, rust, mineral deposits, flux and weld spatter. Also used for passivation.	+	+	C,M	+		Stainless Steel	+
<b>Gardacid 4294 (Solventol 2409)</b> Inhibited cleaner used for descaling spray washers, heat exchangers, and other process equipment. Purple indicator.	+	+	C,T,U,V		+	+	Brass, Copper
<b>Gardacid P 31 (Oakite 31)</b> Removes shop soils, oxides, rust, heat scale, flux, and weld spatter.		+	T,U,V	+		+	Brass, Copper
<b>Gardacid P 32 (Oakite 32)</b> Removes rust and hard water salts. Strips heat scale, oxide coatings, chromium, zinc, and cadmium plate.		+	T,U,V	+		+	Brass, Copper
<b>Gardacid P 131 (Oakite 131)</b> Inhibited cleaner removes shop soils, light rust, heat scale, and oxides. Easily rinsed.		+	T,U,V	+		+	Brass, Copper
<b>Gardacid P 4555 (Drycid)</b> Inhibited acid removes mineral scale, rust, and other metal oxides. Non-fuming.	+	+	C,T,U,V		+	+	Brass, Copper
<b>Gardoclean A 9513 (Oakite 33)</b> Removes light grease, oils, shop dirt, flux, rust, oxides, and heat scale.		+	T,U,V	+		+	Brass, Copper

	Spray	Immersion	Other	Liquid	Powder	Steel	Multi-Metal
<b>ADDITIVES</b>							
<b>Gardobond® Additive H 7616 (Ladd)</b> Foam controlling additive for both acid and alkaline cleaner applications.	+	+		+		+	+
<b>Gardobond Additive H 7708 (Enhance)</b> Improves cleaning and rinsing in both alkaline and acid cleaner applications.	+	+		+		+	+
<b>Gardobond Additive H 7708 (Defoamant 3D)</b> Silicone-free, water-borne emulsion for controlling foam in aqueous solutions.	+	+		+		+	+
<b>Gardostrip® Q 5382 (Stripper Additive)</b> Phosphate-free chelating agent that activates alkaline cleaning and stripping solutions.	+	+		+		+	+
<b>Gardostrip Q 7896</b> Blend of strong emulsifying and wetting agents to aid in quick penetration of soils and paint.	+	+		+		+	+

C = Circulation in-place F = Foam M = Manual S = Steam T = Tumbling/Barrel U = Ultrasonic V = Vibratory

*We are dedicated to your success.*



*You can expect more with Chemetall manufacturing process cleaners!*

At Chemetall, we are dedicated, so you can expect more. Our global specialists are locally available. Our experts provide focused, passionate, and accountable support. You can expect the highest quality from our integrated portfolio of innovative products. Our labs are fast and accurate. We will collaborate with you to increase the efficiency of your process performance.

We are the Surface Treatment global business unit of the Coatings division of BASF, operating under the Chemetall brand, a leading supplier of applied surface treatments and services for metal, plastic, and glass substrates in a vast range of industries and end markets. As process innovators, fully dedicated to your success, we develop, manufacture, and provide best-in-class technologies, systems, and expertise.

*Cut it. Clean it. Coat it. Control it. Conserve it.® with us!*

**North American Headquarters**

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

**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

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

The product information contained in this brochure has been compiled to the best of our knowledge on the basis of thorough tests and research work and with regard to the current state of our practical experience in the industry. This product information is non-binding. Our statements relating to possible uses of the product do not constitute a guarantee that such uses are appropriate in a particular user's case or that such uses do not infringe the patents or proprietary rights of any third party. The user should undertake sufficient verification and testing to determine the suitability of the product for its particular purpose. We assume no risk or liability whatever in connection with any particular use, if not expressly confirmed by us in writing. Therefore, Chemetall grants no warranty and does not accept any liability in connection with this product information or its use. Except where noted otherwise, all registered trademarks are owned by Chemetall or its affiliated companies. The reproduction of any or all of the information contained in this brochure is expressly forbidden without Chemetall's prior written consent.