Aluminum Intensive Vehicles

Chemetall provides a complete portfolio of products and services to support the manufacture of aluminum intensive vehicles. Environmentally sound solutions such as chrome-free, phosphorus-free, and NPE surfactant-free products, as well as a full line of high performance passivation technology are available. Chemetall's superior cleaners and conversion coatings deliver outstanding cleaning, surface finishing uniformity, and long-lasting corrosion protection.



	Spray	Immersion	Casting	Extrusion	Sheet	Etching	Low Etch
ALKALINE CLEANERS							
Gardoclean® S 5160 A strong alkaline silicate and borate-free liquid cleaner.	0				0	0	
Gardoclean S 5201 A mild alkaline cleaner specifically formulated for use on continuous strip coil lines. Borate and silicate-free.	•				•		
Gardoclean T 5316 Non-silicated immersion cleaner for all aluminum alloys.		0	0			0	
Gardoclean S 5339 This cleaner is for extruded, wrought, and cast alloys. Minimal surface attack. NPE surfactant-free and silicate-free.	0		•	0			
Gardoclean 3802 (Inpro-Clean 3800) Silicated cleaner, designed for removing buffing compounds. Phosphorus-free.		•	•				
Gardoclean S 5654 (Kleen 4010) A strongly alkaline cleaner specifically formulated for use on continuous strip coil lines.	0	•					0
Gardoclean S 5413 (Low Heat Cleaner 3) Heavy-duty, etching cleaner. NPE surfactant-free.	•	•				•	
Gardoclean 5846 (STC) Low foaming, premium quality detergent for the most demanding aluminum cleaning jobs.	•	•	•				•







	Coil	Batch	High Etch	Moderate Etch
ACID CLEANERS				
Gardacid® P 4307 Highly concentrated acid, used to pickle aluminum. NPE surfactant-free.		•	•	
Gardacid P 4462/1 Etching acidic cleaner for spray applications. Sulfuric-based. NPE surfactant-free and phosphorus-free.		•	•	
Gardacid P 4296 (Kleen 4551) A strongly acidic cleaner, specifically formulated for use on continuous strip coil lines.	•			0
Gardacid P 4298 (TecnoClean) Specifically formulated to clean aluminum and its alloys for immersion applications. NPE surfactant-free.		•		0

DEOXIDIZERS

Gardacid P 4299 (Deoxidizer LNC)

Premium, iron-based liquid deoxidizer.

Gardacid P 126 (Deoxidizer 126)

Premium iron-free product. Add to nitric, sulfuric and/or hydrofluoric acids.

Gardoclean S 5149

Sulfuric-based product. Add hydrofluoric acids.

Gardoclean S 5240/2

Sulfuric-based product with additional surfactants. Add hydrofluoric acid.

DEOXIDIZER ADDITIVES

Gardobond® Additive H 7269

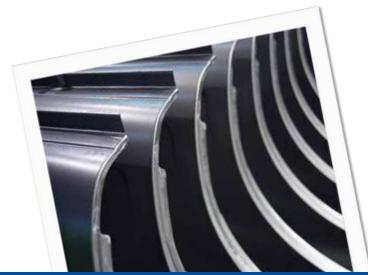
Fluoride additive for coil.

Gardobond Additive H 7250

Fluoride additive for coil.

Gardobond Additive H 7401

Nitric-based additive to be used in conjunction with Deoxidizer 126 or LNC.



	Dried-in- place	Rinsed	Organic	Inorganic
PASSIVATIONS				
Arconic 951 Phosphorous based. Used for adhesive bonding and welding. For sheet, extrusions, and castings. Can be sprayed or immersion.		•	•	
Gardobond X 4591 Titanium-Zirconium-based. Used for adhesive bonding and welding. A sheet product that can be rolled, sprayed, or immersion.	•	•		•
Gardobond X 4595 Molybdenum-Zirconium based. New product developed for adhesive, bonding, and welding. A sheet product that can be rolled, sprayed, or Immersion.	•	•		0
Gardobond X 4707 Titanium-Zirconium-based. Used for adhesive bonding and welding. For extrusions and castings. Can be sprayed or immersion.		•		0
Gardoclean 299 An alkaline powder cleaner with silicate and borate used by immersion. Used for adhesive bonding. For stamped sheet, extrusions, and castings.		•	0	
Oxsilan® MM0705A Silane-based coating. Used for adhesive bonding. A sheet product that can be rolled, sprayed, or immersion.	•		0	



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





Meet your needs with our 6 Point Total Value Proposition

Point 1. Dedicated, Global Specialists Locally Available

Point 2. Focused, Passionate, and Accountable

Point 3. Integrated Portfolio of Innovative Products

Point 4. High Quality Standards

Expert Support

Point 5. Fast and Accurate Labs

Point 6. Comprehensive Collaboration for Efficient

Process Performance

The Surface Treatment global business unit of the Coatings division of BASF, operating under the Chemetall brand, is a leading supplier of applied surface treatments and services for metal, plastic, and glass substrates in a vast range of industries and end markets. Chemetall Surface Treatment products are used for a variety of applications. As an integrated part of the business, we offer a full range of services, including process control and on-site support at customers' facilities with local representation worldwide. Beyond local technical expertise, systems are designed to meet the final requirements of the treated products.

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