

VpCI® Additives for Cleaners and Degreasers



Simple. Clean. Efficient.

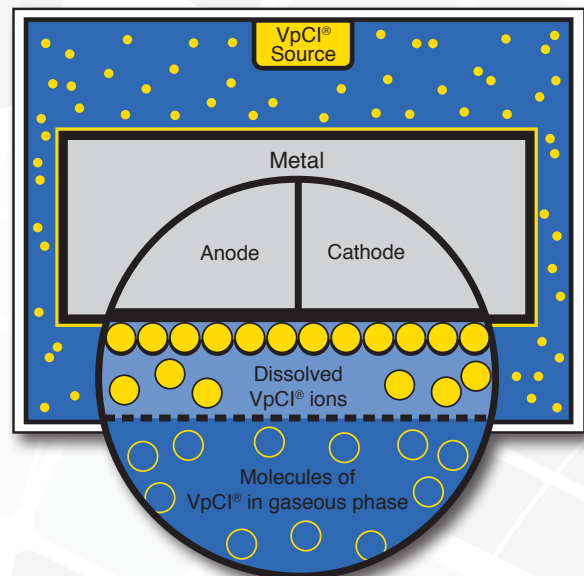
Cleaning is a critical aspect of corrosion protection that unfortunately leaves metals susceptible to flash corrosion. Cortec® solves this problem by providing corrosion inhibiting additives that can be used directly in cleaning fluids. These additives protect metals against flash corrosion and offer varying ranges of extended corrosion protection to streamline the cleaning, manufacturing, restoration, or preservation process.



Benefits of VpCI® Cleaner and Degreaser Additives

- Low dilution
- Flash corrosion protection
- WIP protection without a secondary operation
- Environmentally friendly

VpCI® additives form a thin molecular corrosion inhibiting layer that adsorbs on the surface of the metal, displacing existing water, chlorides, or other corrosive contaminants on the surface. These additives provide multi-metal protection for many different cleaners and cleaning applications such as surface prep, food can sterilization, and manufacturing.



Selection Guide for Cleaner and Degreaser Additives

M-95: Versatile water soluble additive for various multi-metal systems requiring vapor phase and contact protection. Causes little to no foam. 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk.

M-235: Prevents corrosion of yellow metals. Can be added to cleaners such as soaps, detergents, and strong alkali or acid cleaners. Package: 5 pound (2.3 kg) pails, 50 pound (23 kg) and 100 pound (45 kg) fiber drums.

M-238: Effective vapor and contact corrosion inhibitor for a variety of oil- and solvent-based systems. Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk.

M-370: Multi-metal corrosion preventive additive for alkaline cleaners/degreasers. Prevents flash corrosion on metal surfaces and forms a hydrophobic film that is virtually undetectable when dry. Also available in A (aluminum), NS (non-surfactant), HS (high surfactant), and C (additional protection for cast parts and rough surfaces) versions. Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk.

M-415: Strong Vapor phase Corrosion Inhibitor additive for cleaners. Contains FDA and USDA approved ingredients. Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk.

M-435: Versatile, no-VOC flash rust corrosion inhibitor for water-based fluids. Can also be used in solvent-based systems. Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk.

S-8: Wash water additive for protecting food cans from corrosion during washing or sterilization. Contains only FDA approved ingredients. Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk.

S-111: Multi-metal flash corrosion inhibitor to be formulated into alkaline cleaners. Package: 5 pound (2.3 kg) pails, 50 pound (23 kg) and 100 pound (45 kg) fiber drums.

Product	METALS PROTECTED							ATTRIBUTES					
	Carbon Steel	Stainless	Galvanized	Aluminum	Brass	Copper	Bronze	Physical State	Transport Mechanism	Solubility	Degree of Protection	Typical Applications	Typical Dosages
M-95	x	x	x	x	x	x	x	Liquid	Vapor Phase & Contact	Water & Glycols	Flash & Long Term	Cleaners	0.25-2.5% by weight
M-235					x	x	x	Powder	Vapor Phase	Water & Glycols	Flash & Long Term	Cleaners	0.5-1.5% by weight
M-238	x	x	x	x	x	x	x	Liquid	Vapor Phase & Contact	Oil / Solvent	Flash & Long Term	Cleaners	1-4% by weight
M-370	x	x	x	x	x	x	x	Liquid	Contact	Water & Glycols	Flash & Long Term	Cleaners	0.1-0.5% by volume
M-415	x	x	x					Liquid	Vapor Phase & Contact	Oil / Solvent	Flash & Long Term	Cleaners	0.5-4% by weight
M-435	x	x	x	x	x	x	x	Liquid	Vapor Phase & Contact	Water & Oils, and few Solvents	Flash	Cleaners	1-5% by weight
S-8	x	x	x	x	x	x	x	Liquid	Contact	Water	Flash	In Can Rinse	150-250 ppm
S-111	x	x	x	x	x	x	x	Powder	Contact	Water	Flash	Cleaners	0.3-1% by weight



Cortec® Corporation



Quality Management System (ISO 9001 Certified)

World Class Product Offerings

An innovative producer of leading edge products.

World Class Customer Service

A positive, long-lasting impression through every link of our company.

World Class Environmental Commitment

Cortec® commits to continued development of processes and products that are useful, non-hazardous to the environment, and recyclable whenever possible.

An Ethical and Respectful Company Culture

Respect and treat our colleagues, customers, and vendors as we would our own family members.



Environmental Management System (ISO 14001 Certified)

Cortec's strong environmental concern is demonstrated in the design and manufacturing of products that protect materials of all kinds from environmental degradation. A strong commitment to produce recyclable products made from sustainable resources has been and will be our future policy. This brochure can be recycled.



Laboratory Accreditation (ISO/IEC 17025)

Cortec® Laboratories, Inc. is the only lab in our industry that has received ISO/IEC 17025 Certification, which ensures quality in recording and reporting data, as well as calibrating equipment within the laboratory.



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