Total Corrosion Control

environmentally safe VpCl™/MCI® technologies
Health, safety, and pollution control. Cortec’s formulations, using the newest chemical technology available, help alleviate your concerns in the areas of health, safety, flammability, and pollution control.

**Multimetal protection.**
A full range of corrosion inhibitors are available to protect ferrous and non-ferrous metals, including formulations that protect combinations of metals.

**Short-term and long-term protection.**
There’s a Cortec® solution whether you need temporary protection during in-plant processing, medium-term protection for shipment and storage, or extended protection for lay-up, mothballing, and field service.

**For a variety of environmental conditions.**
Now you can effectively protect your metals and products against humidity and aggressive atmospheres as well as against corrosive industrial, marine, and tropical atmospheres.

**Protected parts are immediately ready for use.**
The protective invisible layer deposited by Cortec® Vapor phase Corrosion Inhibitors (VpCI™) needs no removal. No degreasing, scraping, cleaning, or further preparation is necessary before processing, installation, or use. Your VpCI™ protected components, parts, and finished assemblies are always ready for immediate use. Cortec’s barrier coatings are easily removed with conventional cleaning methods.

**Does not alter most material properties.**
In the majority of cases, the invisible protective ionic layer of Cortec’s VpCIs does not alter important surface properties. This is true even for the most precision electronic devices where conductivity, permittivity, and dimensional tolerances are crucial.

**For tiny electronic devices to tanker holds.**
Cortec’s VpCI™ technology protects any size products — from printed circuit board components during process, or stored parts in a small box, to large containerized shipments.

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### More Effective Delivery Systems

**Ionic Action of VpCI™ Creates a Molecular, Inhibiting Layer.**

VpCI™:
- Vaporizes.
- Conditions enclosed atmosphere with a protective vapor.
- Vapor migrates to all recessed areas and cavities.
- Vapor condenses on all metal surfaces.
- Ions dissolve in moisture layer (water electrolyte).
- Protective ions are attracted to metal surfaces.
- Ions form a thin, monomolecular protective layer at the metal surface.

- Protective layer re-heals and self-replenishes through further condensation of the vapor. VpCI™ combines with other functional properties:
  - Antistatic
  - Lubricating
  - Polymeric
  - Desiccant
  - Paint Removing
  - Fire Retarding
  - Rust Removing

These new delivery systems offer practical, economical breakthroughs for the protection of metal parts and products. Cortec’s innovative use of VpCI™/MCI® technologies makes these treatment methods possible.

Cortec® VpCIs are uniquely formulated for each type of delivery system. Whether liquid, powder, impregnated foam, or plastic, VpCI™ formulations use technology to its best advantage for effective and economical corrosion protection.

The creative use of VpCI™ Technology offers improved protection even for conventional applications (brush, rubber blade, dip, or spray).
How Cortec® VpCl™ Cut Costs

From packaged products stored indoors to products located outdoors in adverse conditions, the new generation VpCl™ Technology makes it more profitable to solve a corrosion problem than to ignore it. For example, you can:

1. Fog a heat exchanger in a few minutes and eliminate your shipping and storage corrosion problems.
2. Protect on-site, operational electric circuitry for pennies a day.
3. Easily spray valve flanges and stems with an outdoor coating for extended protection.
4. Boost the protection of your lubricating oils with an additive effective for multimetal systems.

These four examples show how Cortec’s VpCl™ Technology successfully solves problems caused by impractical conventional corrosion treatments.

Multifunctional Products

- Multifunctional products.
- More effective protection.
- Efficient delivery systems that make it economical to treat hard-to-protect items.
- Easy application.
- Improved health, safety, and pollution control.
- Elimination of extra processing steps in most cases there is no need to remove the VpCl™ product.
- Extended equipment life.

Use Cortec® technology in each stage of the product’s lifecycle, starting from the production of metal stock to actual use in the field. When properly applied, Cortec’s VpCl™ Technology substantially cuts time and cost throughout the entire product life cycle: manufacturing, storage, shipping, and field service.

Cortec’s VpCl™ products eliminate the extra processing steps such as cleaning, degreasing, rust removal, pickling, sandblasting, and reprotecting. You will have less re-work, fewer rejects, improved quality, reduced rust claims, and extended equipment life.
During the manufacturing of your product, whether circuit boards or metal stampings, Cortec® products easily integrate into your fabrication and assembly processes. While eliminating the corrosion of ferrous and non-ferrous metals, Cortec® products provide lubrication, enhance production speed, and tool life to help you produce first-quality products.

Cortec® VpCI™ Technology provide you with unique solution to difficult corrosion problems. Use VpCI™ powders to protect difficult-to-reach voids. Our water-based inhibitors replace oily coatings and coolants, to provide our intermediate corrosion protection. Our water soluble additives in hydro test solutions protect during and after draining. VpCI™ emitters protect electronic and electrical assemblies during the various stages of fabrication, assembly, shipping, and field operation.

Throughout the product life of your tank, valve, compressor, circuit board, electrical box, printing press, etc. Cortec® VpCI™ Technology will provide corrosion protection from beginning to end.

Cortec® offers a full line of standard and custom packaging products in conformance with military, ASTM, DIN, JIS, BS, and other international standards. Cortec® packaging products include papers, films, foams, cushioning bubbles, and inserts.

**PAPERS:** Cortec® VpCI™ papers provide corrosion protection in several different applications including single item packaging, multiple item wrapping for bulk shipments, OEM, and automotive parts packaging for storage and shipping, and sheet liners for product separation. The papers are nitrite free and made from neutral/natural kraft that are recyclable and repulpable.
FILMS: Cortec® VpCI™ films forms to suit your packaging needs. Films range from general use polyethylene film to shrink wrap, stretchable, or reinforced constructions. All films have excellent clarity. The multifunctional VpCI™-125 incorporate Vapor phase Corrosion Inhibitors (VpCI™), desiccant, and antistatic construction. VpCI-126® Blue bags and films employ moisture absorbing action and are available in high performance constructions. VpCI™-129 is a barrier protection film which maintains vacuum and is excellent for high temperatures and humidity.

FOAMS: Cortec® impregnated foams and Cor-Pak® bubbles protect precision machined parts and highly sensitive electronic components. They protect against breakage, surface damage, or scratches. Cortec’s EcoShield® and CorShield® protect delicate items with its abrasive-proof lining and absorbs condensation as well.

INSERTS: Cortec® VpCI™ inserts provide exceptional adsorption and even provide protection for recessed areas. Inserts are applicable to virtually any packaging system. They come in pouches, tablets, foams, or paper.

When your customers use our products, they can rely on the same corrosion protection to prolong the service life of their products. Cortec® VpCI™ Technology protects electrical and electronic equipment during manufacturing, storage, shipping, operation, and shutdown. Cortec® water-based or oil-based barrier coatings protect installed valves and pumps from atmospheric corrosion. Cortec® additives protect lubricant systems from corrosive environments and contaminants.

In cases, where equipment or systems require lay-up – temporary shutdown or long-term mothballing—Cortec® products can be applied quickly, with little or no surface preparation (depending on the product). Cortec’s VpCI™ Technology provides corrosion protection to external and internal metal surfaces and parts. The degree of protection needed is based on the severity of the environment and the length of exposure to corrosive elements. The protected equipment system will always be ready for immediate use.
The aggressive, corrosive attacks on processing systems present engineers with the greatest challenge in maintaining efficiency, while protecting the safety of workers and the environment. Cortec’s VpCI™ Technology provides a new, pro-environmental set of answers. It offers an environmentally friendly treatment with low toxicity, and low polluting effects.

As a chemical company, we believe in intelligent design, and commitment to pro-environmental manufacturing and practices. Our commitment is reflected with Cortec’s certification under the ISO 14001: 2004 Environmental Standard.

Cortec’s VpCI™ Additives offer highly efficient and economical corrosion protection for process industries. While conventional corrosion inhibiting treatments provide protection at the liquid phase only, Cortec® VpCI™ Technology provides corrosion protection in interface, liquid phase, and vapor phase.

Self-Replenishing

Unlike conventional corrosion inhibition methods, Cortec® VpClIs are self-replenishing. Add Cortec® VpClIs into any part of your system at single or multiple points. For example, inject VpClIs automatically into a system — without any operator attendance — and immediately start protecting hundreds of feet of piping in steam lines, liquid distribution systems, or hundreds of pipeline.

As a pro-environmental corrosion treatment of the 21st century, Cortec® VpCl™ products are free of chromates, heavy metals, phosphates, or chlorinated hydrocarbons. These new organic formulations give an environmentally acceptable way to protect equipment. From aggressive brine solutions in deep and hot wells, to protecting miles of remote pipeline, Cortecs VpCl™ products extend the life of equipments and provide corrosion protection in the interface, liquid phase, and vapor phase.
Migrating Corrosion Inhibitor (MCI®) Technology, developed by Cortec’s researchers, rehabilitate deteriorated concrete structures affected by corrosion on the reinforced steel. MCI® products can be added to concrete mixtures for new structures or during rehabilitation processes of old buildings. The concrete, mixed with MCI® products, is applied in the normal fashion. The MCI® inhibitors migrate through the concrete and seek the embedded metal attaching to it and forming a thin protective layer of MCIs. The MCI® layer will neutralize the chemical reaction between chlorides and metal within the structure to prevent future corrosion.

MCI® products are effective in fighting high chloride levels from de-icing salts applied to highways and bridges, airborne salts that attack marine structures, structures near the sea water, and deterioration by acid rain and carbonation. MCI® Technology also provides corrosion protection for tanks and pipes with thermal insulation.

In addition to adding MCI® into the concrete mix, Cortec® offers MCI® products for surface treatments or injection into existing concrete structures.
Metal Treatments

Cortec® metal treatments come in powder, liquid, and gel for dip, spray, and brush-on applications. Cortec® rust removers are based on organic chemicals that remove oxide and tarnish from iron, copper, brass, and aluminum. These formulations replace harsh acids. When used as recommended, the rust removers are non-polluting as well as mild to human skin, most paints, plastics, woods, textiles, ceramics, and rubber.

Cortec® pro-environmental products for metal treatment include biodegradable cleaners and non-polluting paint strippers.

Often, before rust can be removed from the metal, first, soil or paint must be removed. A quick visual inspection usually determines if a part needs preparatory work. Other times, especially with heavily rusted and encrusted parts, you must remove rust before you find a “layer” of soil or paint which will require removal.

Made from water-based, natural ingredients whenever practical, most Cortec® cleaners and degreasers are biodegradable, non-toxic, and non-flammable. They are specially formulated for safety and multi-purpose, multimetal use. They also include corrosion inhibitors to prevent flash rust of freshly cleaned surfaces.

Cortec® paint stripper was developed with the consumers safety in mind. It is free of methylene chloride, chlorinated solvents, methanol, toluene, or acetone, yet removes most paints up to 30 minutes.
All Cortec® coatings deliver exceptional protection, even in extreme outdoor industrial, marine, or tropical environment.

Cortec's complex formulations of non-toxic, organic inhibitors offer protection far exceeding most paints, primers, and solvent-based products. These unique, water-based coatings pose no threat to personnel or environment. They offer outstanding permanent or temporary protection even in harsh, unsheltered applications.

In many cases, one coat serves both as a primer and a top coat providing temporary shipping protection or years of demanding outdoor industrial marine protection. Little or no surface preparation is required for many applications.

When Cortec® coatings are used as primers only, other topcoats may be applied without losing VpCl™ protection. In most cases Cortec® coatings are available in stock and custom colors, having UV protection.

For immersion services, epoxy formulations wide VpCl™ Technology are available for applications like ballast tanks, pumps, pipelines and structural steel.
We are proud to introduce a major step forward in the aerosol technology: EcoAir® Air-Powered Aerosol products. For the first time in the industry, we are providing aerosol products powered by compressed air rather than traditional chemical propellants. The formulation is filled into a four-layer Mylar EcoPouch inside the can, which is pressurized. As the valve is depressed, the surrounding pressure expels the bag’s contents. The major advantages of EcoAir® technology are:

- Nonflammable
- Spray in any direction, even upside down
- No product contamination by propellant
- Very low or no environmental impact. Safe to ship and store.
- Unique water-based formulation for the toughest maintenance applications.

Safe for the Environment

EcoAir® products do not contain propellants, CFCs, or HCFCs that affect the atmosphere and the ozone layer, of our environment. EcoAir® products are formulated with biodegradable and non-polluting ingredients, eliminating toxic disposal wastes.

Safe for the User

EcoAir® products are specially formulated to provide safety for consumers and the environment. These safety characteristics are reflected in the HMIS ratings printed on the labels for each product. The products do not contain 1,1,1 trichloroethane, methylene chloride or chlorinated solvents.

Safe for Storage

EcoAir® products do not have storage or fire insurance restrictions. They can be stored like any non-aerosol lubricant or cleaner. Eco Air products should be stored at room temperature like any water based product to avoid freezing.

Safe for Shipping

EcoAir® products can be shipped by air freight or any other conventional shipping service.
**EcoLine®**

EcoLine® products are based on renewable soybean derivative-soybean methyl esters. Cortec’s Ecoline® soya-based products are completely biodegradable and provide excellent lubricity, cleaning action, and corrosion protection.

EcoLine® heavy duty maintenance products incorporate: Cortec’s VpCI™ Technology, surface cleaner & degreaser all purpose long term rust preventative lubricant or heavy duty corrosion inhibitor/lubricant, and cutting fluid.

**EcoSpray® & EcoClean®**

EcoSpray® and EcoClean® products are designed to attack the toughest corrosion problems without polluting the environment. They incorporate low toxicity chemicals without aerosols, propellants, or ozone-depleting CFCs. Fast-acting, dependable, and safe to handle, EcoSpray® and EcoClean® are leaders in environmentally safe corrosion protection technology.

**Biodegradable Films**

Eco-Corr®, EcoFilm™, Eco Works™, & Eco Wrap™

Cortec® is a world leader in biodegradable and compostable films. Cortec’s technological breakthrough of fully biodegradable films are designed to help businesses and governments to comply with stringent environmental guidelines. Eco-Corr®, EcoWorks®, EcoWrap™, and EcoFilm™ are completely biodegradable in commercial composting. These Films are superior to traditional films in many ways. Tests extensively show that their physical properties exceed conventional LDPE films. Eco-Corr® incorporates Cortec’s patented VpCI™ (Vapor phase Corrosion Inhibitor) Technology; it is ideal for packaging applications where metal corrosion protection is crucial.
Cortec® VpCl™ corrosion inhibiting additives offer a new world of production and marketing possibilities. Cortec’s additive technology allows you to economically add VpCl™ corrosion inhibiting properties to coatings, water treatment formulations, plastics, elastomers, adhesives, working fluids, etc.

Cortec® VpCl™ additives are a sound business investment. Because they increase the corrosion protection capability of the products, VpCl™ add, significant value for the customers and essential credibility for reaching new markets.

Cortec® VpCl™ Technology protects continuously and is self-replenishing for uninterrupted protection in contact and vapor phase. Because Cortec’s products do not contain chromates or other heavy metals, nitrites or chlorinated hydrocarbons, their are safe to use and environmentally friendly.

Cortec® VpCl™ additives, eliminate the need for expensive alloys, platings, stainless steel, or corrosion resistant metals and materials.

VpCl™ additives can be added to stretch and polyethylene films, antistatic bags, corrugated plastic containers, injection molded parts, coatings, adhesives, sealants, polymers, plastics, inks, lubricants, fuels, concrete, etc. The VpCl™ applications are almost endless.

Most elastomers are, at best, inert in relation to metals, when and often accelerate the corrosion of metals in contact. With Cortec’s revolutionary VpCl™ technology, standard elastomers are easily and economically transformed into safe, constant and thorough protection for any metal or alloy. Cortec® VpCl™ additives are suitable for liquid polymeric systems such as paint coatings, emulsions, inks, extrusion grade polymers, elastomers, injection molded plastics, etc.

Cortec® augments its proprietary line of VpCl™ products with a complete line of high quality, industrial grade corrosion inhibiting compounds. Our inventory covers a broad range of outstanding organics that are manufactured using the highest industry standards: ISO 9001 and ISO 14001.

**Generic Additives**

Cortec® adds to its line of corrosion inhibiting compounds with the introduction of the Tolytriazole, Amine Salt. This additive is a corrosion inhibitor for the protection of copper, brass, bronze and ferrous metals. It is a viscous liquid, oil soluble.

- **CAS No:** 29385-43-1 + 102-71-6
- **TSCA**
## Protection Guide

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## Application Key

- **Enclosed.** For use in non-ventilated equipment housings, control boxes, or other enclosures. Packaged in cardboard, paper, plastic wrap or metal containers.
- **Outside.** In addition to the three conditions described above, for use in un-covered/inside storage.
- **Immersion.** In addition to the four conditions described above, also for immersion service in corrosive liquids such as salt water, crude oil, etc.
- **Outside sheltered.** In addition to the two conditions described above, for use in sheltered/outside storage.

## Consultation Key

- **Recommended.**
- **Not Recommended or Test Data Not Available.**
- **Consult Cortec For Specific Usage.**
- **Do Not Use With Indicated Metals.**
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**Product Descriptions**

- VpCI™-101 Impregnated Foam Device, Patented
  - Unique dual action: desiccant/VpCI protection.
  - VpCI impregnated foam for multimetal protection. Comes with adhesive backing and individually packaged in plastic. Each device is 1.25" (32 mm) wide, 3" (76 mm) long, and 0.25" (6 mm) thick. Use one device per 1.0 cu. ft. (28 l) of enclosed space. Nitrite free, non-toxic, non-polluting. Conforms to MIL-PRF-81705D, NSN 6850-01-338-1392
  - Package: 50 per carton.

- VpCI™-105/111 Plastic Emitter, Patented
  - Unique dual action: desiccant/VpCI protection.
  - VpCI breathable membrane, plastic cartridge filled with nitrite free VpCI, for multimetal protection. Comes with adhesive backing and is individually packaged in plastic. The VpCI-105 emitters are compact to fit modern electronic enclosures 2.3" (58 mm) in diameter and 0.75" (19 mm) high. Use one emitter for 3 cu. ft. (142 l) of enclosed space. VpCI-111 [2.3" (58 mm) in diameter and 1.27" (32 mm) high]. Protects 11 cu. ft. (311 l). VpCI-105 NSN 6850-01-408-2060
  - VpCI-111 NSN 6850-01-408-0825
  - Package: 20 per carton VpCI-105, and 10 per carton VpCI-111.

- VpCI™-110 Foam Emitter, Patented
  - Unique dual action: desiccant/VpCI protection.
  - Breathable, open-cell foam cylinder, nitrite free, for multimetal protection. Comes with adhesive backing and is individually packaged in plastic. The emitter is 2.5" (64 mm) in diameter, and 2" (51 mm) high. Use one emitter per 10 cu. ft. (283 l) of enclosed space. VpCI-110 conforms to MIL-T-22110C, NSN 6850-01-456-2971
  - Package: 12 per carton.

- VpCI®-125 Static Dissipative Film, Patented
  - Unique multifunctional films: VpCI/desiccant action and ESD protection. Transient, multimetal protection, heat sealable. Protect against triboelectric charge generation and corrosion. Recyclable. Conforms to MIL-PRF-81705D, MIL-PRF-22010(A) and MIL-PRF-22020D.
  - Package: Standard and custom sizes.

- VpCI®-126 Blue Multimetal LDPE Heat Sealable Film, Patented
  - Unique dual action: VpCI/desiccant protection.
  - Package: Standard and custom size bags, tubing and sheeting.

- VpCI™-129 HDPE Film
  - High-density polyethylene (HDPE) film extruded with Vapor phase Corrosion Inhibitors (VpCIs). Has high barrier properties. Maintains a vacuum for extended periods of time. Exceptional seal strength can be attained.
  - Package: Custom sizes up to 60" wide (152 cm).

- VpCI™-130 Series Impregnated Foam Shapes, Patented
  - Multifunctional action: VpCI/desiccant protection/ static dissipative.
  - Package: Standard and custom sizes available.
VpCI™-144 Paper
Multimetal VpCI barrier coated paper. Excellent moisture barrier. Replaces polyethylene coated papers, recyclable, non-toxic and biodegradable. Meets MIL-PRF-3420G.
*Package:* Standard and custom size roll stock and sheeting.

VpCI™-145 Static Dissipative Corrosion Inhibiting Paper
This product can be used to protect any material capable of being damaged by electrostatic discharge.
*Package:* Standard and custom size roll stock and sheeting.

VpCI™-146 Multimetal Inhibitor Paper, Patented
*Package:* Standard and custom size roll stock and sheeting.

VpCI™-150 & 170 Adhesive Backed Foam Tapes, Patented

VpCI™-307 Powder
Vapor corrosion inhibiting powders for ferrous and many non-ferrous metals. Apply by dust, sprinkle or fog. Nitrite and chromate free. Meets MIL-I-22110C.
*Package:* 5 lbs, (2.27 kg), 50 lbs, (22.7 kg), 100 lbs, (45.4 kg).

VpCI™-308 Powder
Vapor phase Corrosion Inhibiting powder for multi-metal applications. Apply by dust, sprinkle or fog. Nitrite, phosphate and chromate free.
*Package:* 5 lbs (2.27 kg), 50 lbs (22.7 kg), 100 lbs (45.4 kg).

VpCI™-309 Powder
Vapor phase Corrosion Inhibiting powder for ferrous metals. Apply by dust, sprinkle or fog. Nitrite and chromate free.
*Package:* 5 lbs (2.27 kg), 50 lbs (22.7 kg), 100 lbs (45.4 kg).

VpCI™-316 Liquid Concentrate
Synthetic, water-based inhibitor formulated for the protection of yellow metals. Provides lubrication and cooling properties during operation and dries to a transparent film.
*Package:* 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

VpCI™-322 Oil-Based Concentrate
Oil-based concentrate for use as an additive in oil-based and engine systems, and is suitable for both operating and lay-up applications. Provides corrosion protection both in contact and in the vapor phase. Also available in a higher flashpoint version (VpCI-323M).
*Package:* 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

VpCI™-325 Lubricant/Corrosion Inhibitor
Ready-to-use thin film oil based liquid for multi-metal corrosion protection. Provides excellent protection to finely machined surfaces such as gun barrels, honed or mirror-like finishes.
*Package:* 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk. Also available in ConFlube™ 11oz (312 grams) aerosol cans and EcoSpray™ 16oz (454 gram) spray bottles.

VpCI™-326 Oil-Based Concentrate
Oil-based concentrate for use as an additive to hydraulic systems. Contains corrosion inhibitors for protection of both ferrous and non-ferrous metals. Suitable for both operating and lay-up applications and will pass through a 1-micron filter. Conforms to MIL 46002C(1) and MIL I-85062 (Additives to oil).
*Package:* 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

VpCI™-327 Solvent-Based Concentrate
Ready-to-use, solvent-based rust preventative for indoor corrosion protection. Formulated for the removal of finger prints and other stains from metal surfaces. Conforms to MIL C-15974.
*Package:* 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

VpCI™-329 Oil-Based Concentrate
Oil-based concentrate for use in gear boxes, crank cases and other oil-base lubrication systems. Provides excellent corrosion protection in both the liquid, and vapor phases.
Also available in super concentrate (VpCI-329SC), ready-to-use (VpCI-329R), and FDA approved (VpCI-329F) versions. Conforms to MIL PRF-46022C(1) and MIL I-85062 (AS) MIL 8350-66-130-6100, NSN 6850-01-4170-3395.
*Package:* 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

VpCI™-337 Liquid Concentrate
Water-based corrosion inhibitor that is excellent for fogging of internal spaces of pipes, tanks, and containers. Also provides excellent protection when used as an edge spray for shipping and storage applications. Contains vapor phase corrosion inhibitors for multi-metal protection.
*Package:* 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk. Also available in EcoCoat™ 13 oz. (369 gram) fogger can.

VpCI™-338 Liquid Corrosion Inhibitor
Water-borne corrosion preventative coolant for use in wet tempering of galvanized or cold-rolled steel. Also can be used in light machining operations where some lubrication is required.
*Package:* 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

VpCI™-344 Waterborne Coolant/Lubricant
Semi-synthetic coolant/lubricant for heavy duty machining operations such as cutting, grinding, and stamping. Provides excellent multi-metal corrosion to both equipment and machined parts.
*Package:* 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

VpCI™-347 Heavy Duty Lubricant
*Package:* 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

VpCI™-350 AHS
Coating for the paper, folding box and corrugated box industry. Multi-metal VpCI products a thin, non-penetrating coating for paper, chipboard and cardboard.
*Package:* 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

VpCI™-351 Coating Solution
Multimetal Vapor phase Corrosion Inhibitor coating for flexible packaging substrates such as kraft papers and corrugated boxes. Available in a solvent-based or water-based formulation.
*Package:* 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

VpCI™-355 EcoCoat
Waterproof moisture barrier coating that is recyclable and reusable. Replaces wax and polyethylene coatings for paper and corrugated packaging.
*Package:* 5 gallons (19 liter) and 55 gallons (208 liter).
Water-based acrylic one coat system (primer & topcoat) that conforms to MIL P-15328D when used as a bonding replacement for phosphate, and chromate treatments.

Formulated as a replacement for typical mastic epoxies, VpC-365 incorporates Vapor phase Corrosion Inhibitors for the ultimate corrosion protection. Excellent for immersion applications.

VpC-366 Cor-Mastic™

Solvant-based, temporary coating that provides extended outdoor, multimetal protection. Leaves a translucent, waxy finish that is scratch resistant and self-healing. Can be removed with common solvents. Meets MIL-PRF-16173E (Grade 1) (QPL product), NATO 6850-66-132-6848, NATO 6850-66-132-6099

Package: 7.5 gallon (28.8 liters) cans (1 per carton).

VpC-368 Liquid for Outdoor Protection

Solvent-based, temporary coating that provides extended outdoor, multimetal protection. Leaves a translucent, oily film that is scratch resistant and self-healing. Can be removed with oil. Apply by spraying, dipping, brushing or rolling. Can be easily removed with common solvents. Meets MIL-PRF-16173E (Grades 1, 2 & 4) (QPL product), NSN 8030-00-244-1298

Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk. Also available in aerosol form CorSheild® 368 12 oz. (35.3 ml) cans.

VpC-369 Liquid Concentrate

Oil-based barrier coating that provides extended outdoor, multimetal protection. Leaves a translucent, oily finish that is scratch resistant and self-healing. Can be removed with solvents. Meets MIL-PRF-16173E (Grade 1) (QPL product), NATO 6850-66-132-6099

Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk. Also available in aerosol form CorSheild® 369 12 oz. (35.3 ml) cans.

VpC-371 Aluminum Silicone Coating

VpC-371 is a high temperature aluminum solvent borne silicone coating that provides excellent corrosion-resistance on metal substrates.

Package: 5 gallon (19 liter) pails, and 55 gallon (208 liter) drums.

VpC-372 Stripable Coating

Water-based liquid applied coating that dries to a tack free, rubbery surface. Provides protection from both atmospheric corrosion and surface damage during storage and shipping. To remove, simply peel from the surface.

Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums and liquid totes.

VpC-373 Wash Primer

Water-based, fast drying surface treatment product designed as a replacement for phosphate, and chromate treatments. Conforms to MIL P-15328B when used as a bonding primer.

Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums and liquid totes.

VpC-374 Water-Based Acrylic Primer

Water-based, acrylic primer that provides extremely good corrosion protection in nearly all environments. Based on a hydrophobic latex that has extremely good salt resistance. Can be topcoated with many water-based and solvent-based finish coats.

Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums and liquid totes.

VpC-375 One Coat

Water-based acrylic one coat primer (topcoat) that successfully provides protection in harsh, outdoor, unsheltered applications.

Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) metal drums, liquid totes and bulk. Keep product from freezing.

VpC-377 Water-Based Rust Preventative

Water-soluble, biodegradable, rust preventative concentrate designed as a direct replacement for oil-based rust preventatives. Leaves a transparent, dry film and can be used at low concentrations. Can apply over with most coatings, no need to remove.

Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk. Also available as EcoAir® VpC-377 13 oz. (369 gram) cans.

VpC-378 Water-Reducible Rust Preventative

Water-emulsifiable replacement for oil-based rust preventatives. Forms a stable emulsion in water and can provide long-term protection for indoor and sheltered outdoor applications. VpC-378 also works very well as a quenching fluid.

Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

VpC-379 Water-Based Rust Preventative

Water-based corrosion preventative concentrate designed to be used as a replacement for oil-based chemistries. Provides multi-metal protection for long-term indoor storage/shipping applications. Can apply over with most coatings, no need to remove.

Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

VpC-380 Thin Film Coating

Water-based, acrylic clear coat that provides multi-metal corrosion protection. Can be used as a direct-to-metal primer or as a finish coat. Provides a medium-high gloss finish that is UV stable.

Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

VpC-381 Non-Skid Coating

Non-skid, water-based coating for application to a variety of critical surfaces. Environmentally friendly, long lasting coating that is UV stable and can be used on metal, plastic and concrete.

Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums and liquid totes.

VpC-382 Water-Based Acrylic Coating

Water-based, acrylic coating that provides extended protection for both indoor and outdoor protection. Can be used as a direct-to-metal coating or as an excellent UV properties finish coat. Available in standard and custom colors and as a clear coat.

Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums and liquid totes.

VpC-383 FR (Fire Retardant) Top Coat

This is a fire retardant version of VpC-386. Use Cortec’s VpC-374 as a primer. Passes ASTM D-3806-79 Fire Retardant Paint Test (2 ft Tunnel Method). Contains VpC for optimal outdoor performance.

Package: 5 gallon (19 liter) pails and 55 gallon (208 liter) metal drums, liquid totes and bulk.

VpC-384 Conductive

High solids moisture cure urethane containing conductive pigment. Provides consistent conductivity and excellent anticorrosion protection.

Package: 5 gallon (19 liter) pails.

COLOR KEY:
- VpC Electronic Product
- VpC Metalworking Products
- VpC High Performance Coatings
- VpC Additives for Coatings & Fluids
- VpC Packaging Products
- VpC Water Treatment Products
- VpC ECO Products
- Surface Preparation Product
- Concrete/Construction Products
- VpC Enhanced Lubricants
- VpC Powders
- 100% Biodegradable Packaging

VpC-385 Non-tacky Temporary Coating

Water-born temporary coating for outdoor storage protection. Leaves a translucent, waxy coating that is easily removable. Low in VOC's. Custom colors available.

Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums and liquid totes.

VpC-386 Water-Based Temporary Coating

Water-borne temporary coating for outdoor storage protection. Leaves a translucent, waxy coating that is easily removable. Low in VOC's and suitable with water, storm colors available.

Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums and liquid totes.

VpC-387 Water-Reducible Temporary Coating

Water-borne temporary coating that is intended for medium to long-term indoor and outdoor protection. Can be easily removed with hot water or alkaline cleaner. Available in different colors.

Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, totes and bulk.

VpC-388 Aluminum

Water-based primer/topcoat, that provides protection to metals in harsh outdoor, unsheltered applications. Exceptional resistance based on a combination of organic-based inhibitors and an aluminum pigment.

Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) kit, liquid totes and bulk.

VpC-389 Water-Based

Water-based, temporary coating for both indoor, and outdoor corrosion protection. Leaves a film that is clear and dry. Can be easily removed, and is low in VOC's. Custom colors available.

Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums and liquid totes.

VpC-390 Non-tacky

Water-borne temporary coating for outdoor storage protection. Leaves a translucent, waxy coating that is easily removable. Low in VOC's and suitable with water, storm colors available.

Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums and liquid totes.

VpC-391 Non-tacky

Water-borne temporary coating that is intended for medium to long-term indoor and outdoor protection. Can be easily removed with hot water or alkaline cleaner. Available in different colors.

Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, totes and bulk.

VpC-392 Non-tacky

Water-borne, temporary coating for use on bare and lightly rusted steel. Can be used in critical areas such as over rivets, weld seams and crevices. Slows rusting, zero VOC clear coating that penetrates, seals and prevents further corrosion.

Package: 4 gallon (15.2 liter) kits.

VpC-393 Non-tacky

Water-reducible, epoxy primer that provides superior corrosion protection in most environments. Can be applied by spraying, brushing or rolling.

Package: 5 gallon (19 liter) kits.

VpC-394 Non-tacky

Aluminum filled, moisture-cured urethane primer meant for application to structural steel. Provides a hard, flexible primer that can be topcoated with most conventional urethane coatings.

Package: 1 gallon (3.8 liter), 5 gallon (19 liter) pails.
VpCI™-405 Cleaner/Degreaser
Heavy-duty cleaner and degreaser designed for cleaning in industrial applications. Excellent for removing carbon build-up, greases, dirt and other contaminants. Provides temporary multi-metal corrosion protection.

**Package:** 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

VpCI™-408

**Package:** 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

VpCI™-411/411 Gel
Heavy-duty, water-reducible, D-limonene cleaner/degreaser designed for extra tough cleaning jobs in industrial and commercial applications. Available in a gel form for hard-to-reach surfaces. Both provide flash corrosion protection.

**Package:** 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk. Also available as CorrClean 51 oz (312 grams) aerosol cans.

VpCI™-414 Cleaner/Degreaser
Viscous liquid concentrate designed to remove temporary coatings from bare metal and painted surfaces. Can also be used to remove waxes, dirt, oil, greases and difficult to remove contaminants. Provides short-term, multi-metal protection after application.

**Package:** 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk. Also available as CorrClean 18 oz (510 grams) aerosol cans.

VpCI™-416 Cleaner/Degreaser
Heavy-duty, biodegradable alkaline cleaner/degreaser for use in aircraft applications. Excellent for removing oils, greases, dirt and carbon build-up. Provides multi-metal short term corrosion protection after cleaning. Conforms to MIL PRF-87937D Pending QPL.

**Package:** 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk. Also available as EcoClean-608 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk. Also available as EcoClean-609 Powder 11 oz (312 grams) aerosol cans.

VpCI™-419 Cleaner/Degreaser Concentrate
Heavy-duty cleaner and degreaser concentrate developed for cleaning industrial, oil field, refinery and marine equipment. Provides temporary corrosion protection to ferrous metals.

**Package:** 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

VpCI™-422/423 Organic Rust Remover
Environmentally friendly, biodegradable rust and tarnish remover for ferrous and non-ferrous metals. Incorporates VpCI technology so that it is not aggressive to the metal substrate. Will not harm human skin, most paints, plastics, rubber, or other materials. VpCI-423 is a gel excellent for application to vertical surfaces and hard to reach areas.

**Package:** 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk. Also available in EcoClean-242, 16 oz. (455 gram) pump spray bottle and EcoAir® VpCI-423 16 oz. (455 gram) cans.

VpCI™-425 Neutral Rust Remover (Powder)

**Package:** 5 lb (2.3 kg) boxes, 50 lb (23 kg) boxes and 100 lb (45.4 kg) drums.

VpCI™-426 Gel/426 Powder Rust Remover
Heavy-duty, liquid concentrate to remove rust, scale, and oxidation from virtually any metal surface. Especially effective in removing oxidation from aluminum, aluminum substrate, stainless steel, and copper. Incorporates VpCI technology. Available in gel and powder form.

**Package:** 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk. 50 lb (23 kg) boxes and 100 pound (45 kg) drums. Safe-T-Charges 5 lb (2.3 kg) water soluble bags.

VpCI™-427 Aluminum Cleaner
Water-soluble, liquid concentrate that dissolves oxides/scale from aluminum.

**Package:** 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk. Also available in EcoClean-602 16 oz (454 gram) spray bottles.

VpCI™-428/418/429/429L
Heavy-duty alkaline cleaner and degreaser for use in industrial cleaning equipment. Non-foaming cleaner that provides short term multi-metal corrosion protection after the cleaning process.

**Package:** (VpCI-418): 50 lb (23 kg) boxes and 100 lb (45.4 kg) drums. (VpCI-418L): 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk. Also available as Safe-T-Charges 5 lb (2.3 kg) water soluble bags and in 418L (sodium free version).

VpCI™-432/433 Paint Remover
Heavy-duty liquid or gel paint stripping formulation designed to remove paints and coatings. Particularly effective for remov alkyls, acrylcs and urethane. Can be used on metal, concrete, and wood surfaces. VpCI-433 is a gel version of VpCI-432.

**Package:** 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk. Also available in EcoClean-602 16 oz (454 gram) spray bottles.

VpCI™-435 Powder
A Vapor phase Corrosion Inhibitor powder for corrosion protection of ferrous metals in recessed areas, interior cavities and voids, such as double bottom in storage tanks.

**Package:** 100 pound (45 kg) lined drums.

VpCI™-436 Paint Remover
Powder for wet or dry lay-up of ferrous metals or aluminum.

**Package:** 5 pound (2.3 kg), 50 pound (23 kg) and 100 pound (45 kg) moisture barrier bags packed in fiber-lined drums.

VpCI™-437 Undercoating for Insulated Surfaces
A water-based protective coating for metal surfaces that provides flash corrosion protection and scale formation. Suitable for low to medium pressure boilers.

**Package:** 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

VpCI™-439 Corrosion Inhibitor for Boilers
Phosphonate-based long-term corrosion inhibitor which protects low to medium pressure boilers.

**Package:** 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

VpCI™-440 Boiler Water Treatment
Water soluble, provides long-term protection against corrosion and scale formation. Suitable for low to medium pressure boilers.

**Package:** 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

VpCI™-441 Corrosion Inhibitor for Fresh Water
Water-based rust preventative for the protection of ferrous or non-ferrous metals in industrial waters. Especially suited for closed loop systems and hydrotesting.

**Package:** 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.
VpCI™ -644 Corrosion Inhibitor for Brines
- Corrosion inhibiting additive for ferrous and non-ferrous metals for water containing inorganic salts, including chlorides.
  - Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes or bulk.

VpCI™ -645 Marine Usage Corrosion Inhibitor
- A non-toxic, biodegradable concentrate designed to provide long-term effectiveness in fresh water, salt water, brine and other highly corrosive solutions containing dissolved sulfide and halogens.
  - Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

VpCI™ -646 Ambidisc Water Treatment System
- Water soluble treatment protects cooling and industrial process water systems against corrosion, scale and fouling. Environmentally open and recirculating loops corrosion and scale inhibitor.
  - Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

VpCI™ -647 Corrosion and scale inhibitor liquid concentrate for use in open recirculating cooling water systems.
  - Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

VpCI™ -649 Liquid/Powder for Multimetals
- Water soluble inhibitor for multimeatals. Recommended for closed loop cooling systems. Effective at low dosages. Also available in powder form. Corrosion inhibitor for cooling systems.
  - Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

VpCI™ -658 Undercoating for Insulated Surfaces
- A liquid inhibitor for corrosion, protection of metal surfaces covered with thermal insulation. Able to be injected into insulation that is already in place to protect the metal underneath.
  - Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

VpCI™ -705 Fuel Additive
- Corrosion preventive additive for gasoline, diesel, gasohol mixtures and alcohol fuels that also works as fuel stabilizer and water emulsifier. Soluble in methanol blends as well as neat methanol fuel or neat gasoline. Approved by General Motors Corporation (approval #1066180 GM EMD Division).
  - Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

VpCI™ -812 Wax Paste
- Long lasting, high shine wax and rust blocker containing new, high performance VCIs. Protects against UV rays and fiberglass oxidation.
  - Package: 16 oz. (47 liter) bottle, 5 quart (4.7 liter), 5 gallon (19 liter) pails.

VpCI™ -819 Wax/Rinse
- Wax/Rinse emulsion with corrosion inhibitors. Available as a concentrate or diluted. Protects against UV rays, oxidation and corrosion.
  - Package: 16 oz. (47 liter) pump spray bottle, 5 quart (4.7 liter) and 5 gallon (19 liter) pails.

VpCI™ -1238 Liquid Additive for Vapor Degreasing, Cleaning, and Stripping Baths
- Liquid concentrate additive boosts protection for ferrous and some non-ferrous parts processed in vapor degreasing, cleaning and stripping baths, as well as for conventional solvent cleaning/degassing systems.
  - Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

VpCI™-Coolant/Antifreeze
- Corrosion inhibiting heat transfer fluid featuring a wide range of use temperatures from 60°F (-50°C) to 280°F (140°C).
  - Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

VpCI™-Superpenetrant
- USDA approved lubricating oil for use on machine parts that may be in contact with food. Formulated with biocides to help minimize bacterial growth.
  - Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk. Also available in EcoAir®.

GalvaCorr, Patent Pending
- Cathodic protection for concrete.
  - This is a two component moisture curing zinc rich silicate coating for concrete.

MC® Anti-Graffiti Coating for Concrete
- Two-component urethane-based coating is designed for easy removal of ink or paint graffiti applied to concrete.
  - Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

MC® Architectural Coating
- MC® containing water-born sealant/coating for all reinforced, pre-cased, pre-stressed, post-tensioned or marine concrete structures. Can be applied to concrete and/or direct to metal. Available in various colors.
  - Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

MC® Coating for Rebar
- MC® Coating for rebar is a water-based coating that provides excellent corrosion protection to rebar during storage and after embedment in concrete.
  - Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

MC® Coating for Rebar NT
- Non-tacky version of MC® Coating for Rebar.
  - Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

MC® EcoCure Curing Agent, Patented
- A surface applied soy-based curing agent/sealer, containing Migratory Corrosion Inhibitors (MCI®).
  - Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

MC® Fibers
- MC® Fibers are mono-filament polypropylene-based fibers containing Migratory Corrosion Inhibitors (MCI®).
  - Package: 5 lb. (2.3 kg) and 50 lb. (23 kg) bags, and 100 lbs. (45 kg) drums.

MC® Film
- Black PE film designed for use in the construction industry as a vapor barrier. Provides multimetal corrosion and UV protection, and is 100% recyclable.
  - Package: 20' x 100' sheeting (6.10 m x 30.48 m).

MC® Grenade
- Migratory Corrosion Inhibitor® powder packaged in water-soluble PVA bags. One grenade provides corrosion protection to one cubic yard (0.76 m³) of concrete.
  - Package: 20 - 1 lb. (500 g) bags per box.

MC® Metric Grenades
- Migratory Corrosion Inhibitor® powder packaged in water-soluble PVA bags. One metric grenade provides corrosion protection to one cubic meter (1.308 yd³) of concrete.
  - Package: 20 - 650 g (1.43 lb) bags per box.

MC® Mini Grenade
- Migratory Corrosion Inhibitor® powder packaged in water-soluble PVA bags. One mini grenade provides corrosion protection to 0.5 cubic feet (0.015 m³) of concrete.
  - Package: 100 - 0.02 lb (10 g) bags per box.

MC® Peel Off Coating
- Water based acrylic, peelable coating containing MC® molecules. Temporary coating for non-porous surfaces that can be peeled when dry to leave a clean, ready to use substrate.
  - Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

MC®-309
- Powder for corrosion protection of ferrous metals in recessed areas, interior cavities and voids.
  - Package: 5 pound (2.3 kg), 50 pound (23 kg) and 100 pound (45 kg) lined drums.

MC®-2000-Migrating Corrosion Inhibiting Admixture for Concrete, Patented
  - Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

MC®-2001/2002 Admixtures, Patented
- MCI®-2001 is a powdered form of MCI®-2000. MCI®-2002 is a slurry form of MCI®-2000, with the added benefit of microsilica. Both are amino alcohol based Migratory Corrosion Inhibitors and are concrete admixtures.
  - Package: 2001—50 lb. (22.7 kg) pails and 100 lb. (45.4 kg) drums; 2002—5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

MC®-2005 Migrating Inhibitory Gel for Existing Concrete Structures
- An injection treatment for existing concrete to prevent corrosion of embedded steel, especially in areas subject to cracks and spalling.
  - Package: 13 oz. (0.38 liter) cartridges, 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

MC®-2005 Water-Based, Migrating, Corrosion Inhibiting Admixture for Concrete, Patented
- Amine carboxylate, water-based admixture used to prevent corrosion of rebar in concrete. MCI®-2005 can retard setting time of concrete by 3 to 4 hours at 70° F (21° C). Also available in a normal set (NS) version. Certified by Underwriter’s laboratories to meet NSF Standard 61 guidelines.
  - Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

MC®-2006 Powdered, Migrating, Corrosion Inhibiting Admixture for Concrete
- Amine carboxylate, powdered admixture used to prevent corrosion of rebar in concrete. MCI®-2006 can retard setting time of concrete by 3 to 4 hours at 70° F (21° C). Also available in a normal set (NS) version. Certified by Underwriter’s laboratories to meet NSF Standard 61 guidelines.
  - Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

MC®-2007 SuperCorr®, Patented
- Melamine based, water-reducing concrete admixture containing MCI®-2005 technology. MCI®-2007 increases the flowability of concrete, in addition to providing corrosion protection. Meets ASTM C-494 Type G high range water reducing/retarding admixture requirements.
  - Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

MC®-2007P, Patent Pending
- Polycarboxylate based, water-reducing concrete admixture containing MCI®-2005 technology. MCI®-2007P increases the flowability of concrete, in addition to providing corrosion protection.
  - Package: 50 lb. (22.7 kg) and 100 lb. (45.3 kg) drums.

COLOR KEY:
- VpCI Electronic Product
- Water/Oil Additives
- Generic Chemicals
- VpCI Metalworking Products
- VpCI High Performance Coatings
- VpCI Additives for Coatings & Fluids
- VpCI Packaging Products
- VpCI Water Treatment Products
- VpCI ECO Products
- Surface Preparation Product
- VpCI Powders
- 100% Biodegradable Packaging
- VpCI Enhanced Lubricants


**MCIR-2008 Via Corr™, Patented Pending**

Polyurethane-based, water-reducing concrete admixture containing MCI-2008 technology. MCIR-2008 is designed for use in self-compacting and self-healing concrete mix designs. MCIR-2008 increases the flowability of concrete, in addition to providing corrosion protection. Available in liquid and powder formulations.

**Package**: 5 gallon (19 liter), 55 gallon (208 liter) drums and 50 lb (22.7 kg) drums and 100 lb (45.4 kg) drums.

**MCIR-2010/2011 MCI Emitterss for Concrete, Patented**

Powder packed MCI Emitters offering the ease of renewable protection.

**Package**: 20 per carton.

**MCIR-2019 Concrete Sealer, Patented Pending**

40% solids, silane-based, low VOC concrete sealer with Migrating Corrosion Inhibitors for protection of concrete and embedded rebar.

**Package**: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

**MCIR-2020 Gel**

An injectable form of corrosion inhibitor, which uses chemistry similar to Cortec's MCI-2020 surface treatment.

**Package**: 10.3 oz. (304 mL) caulking tubes, 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

**MCIR-2020 Migratory Corrosion Inhibitor for Existing Concrete Structures, Patent Pending**

Amine carboxylate based surface treatment for existing concrete to prevent corrosion of embedded steel. Can also be used for injecting into cracks. Certified by Underwater's Laboratories to meet NSF Standard 61 guidelines. MCIR-2020 is a more viscous version available for vertical and overhead applications. Also available as a powder (MCIR-2020 P or MCI 2020 V/O F). Packaged so that one, 100 lb (45 kg) package makes one 55 gallon (208 liter) drum of ready to use material.

**Package**: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums. Powder package: 100 pound (45 kg) bags.

**MCIR-2021 Concrete Sealer, Patented**

Silicate-based concrete sealer with Migrating Corrosion Inhibitors for protection of concrete and embedded rebar.

**Package**: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

**MCIR-2022 Sealer, Patented**

Water based, Silane-siloxane blend sealer. Penetrating, vapor-permeable, water-repelling sealer containing MCI molecules for protection of concrete, brick, masonry units, etc. and embedded reinforcement. MCIR-2022V/O is a more viscous version available for vertical and overhead applications.

**Package**: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

**MCIR-2023 Passivating Grout**

Two-component, polymer modified, cementitious based coating for corrosion protection of exposed rebar and other steel structures. Contains MCI® molecules.

**Package**: Powder: 28.4 lb. (12 kg) buckets. Resin: 11 lb. (5 kg) pails.

**MCIR-2026 Flooring System**

MCIR-2026 Concrete Primer

Chemically resistant, two-component epoxy coating, which meets all of the USDA guidelines for use in poultry and meat plants. Clear coating can be tinted using any of the MCIR 2026 Colorants.

**Package**: 0.75 gallon yield (2.86 liter), 6 gallon (22.7 liter) 3 gallon (11.4 liter) mixes, 15 gallon (56.8 liter) 5 gallon (19 liter) pails, 165 gallon (624.5 liter).

MCIR-2026 Floor Coating

Chemically resistant, two-component, 100% solids Novolac epoxy coating which meets all of the USDA guidelines for use in meat and poultry plants. Clear coating can be tinted using any of the MCIR 2026 Colorants.

**Package**: 0.6 gallon yield (2.27 liter), 5 gallon yield (19 liter) 2.5 gallon (9.5 liter) mixes, 12.5 gallon (47.3 liter) 5 gallon (19 liter) pails, 138 gallon (522.3 liters).

MCIR-2026 Colorants

Color additives for use in field for pigmentation of MCIR 2026 primer and floor coatings. See MCI Colorant price sheet for colors and specific addition ratios. Package: 4 - 1 quart (0.94 liter) cans per case.

**MCIR-2027 Polyurea Coating**

A fast drying, single component, aliphatic UV stable coating with a high gloss finish. Package: 5 gallon (19 liter) pails or 55 gallon (208 liter) drums. Please specify color needed.

**MCIR-2036 Finish Repair Mortar**

Two component fiber reinforcing thigam repair mortar containing Migrating Corrosion Inhibiting™ additives.

**Package**: 55 lb. (25 kg) bags, 11 lb. (5 kg) pails.

**MCIR-2039 Concrete Repair Mortar**

Two component, fiber reinforced repair mortar. Excellent adhesion properties, vapor transmission properties. Can be used for any type of concrete repair. Contains MCI® additives.

**Package**: 55 lb. (25 kg) bags, 11 lb. (5 kg) pails.

**MCIR-2050 Release Agent**

Water based release agent that prevents “build-up” of concrete asphalt. dirt and other debris on concrete forms or other construction equipment while preventing corrosion of metal surfaces.

**Package**: 5 gallon (19 liter) pails and 55 gallon (208 liter) drums.

**MCIR-2060 Concrete Cleaner/Degreaser**

Cleaner/degreaser combined with Migratory Corrosion Inhibitors™ to protect, clean and degrease concrete structures.

**Package**: 5 gallon (19 liter) pails and 55 gallon (208 liter) drums.

**MCIR-2070 Additive to Asphaltic-based Primers**

Water-based, concentrated migrating corrosion inhibitor admixture for asphaltic-based primer coatings.

**Package**: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

**MCIR-2311 Concrete Repair Mortar**

Single component, full depth repair mortar containing MCI 2006 NS technology.

**Package**: 50 lb. (23 kg) bags.

**MCIR-2701 Concrete Repair Mortar**

Single component, trowel grade repair mortar containing MCI 2006 NS technology.

**Package**: 50 lb. (23 kg) bags.

**MCIR-2702 Concrete Repair Mortar**

Single component, overhead repair mortar containing MCI 2006 NS technology.

**Package**: 50 lb. (23 kg) bags.

**MCIR Fibers**

MCI Fibers are mono-filament polypropylene-based fibers containing Migratory Corrosion Inhibitors (MCI®).

**Package**: 5 lb (2.3 kg) and 50 lbs (23 kg) bags, and 100 lbs (45 kg) drums.

**MCIR™-Grenade**

Migratory Corrosion Inhibitor™ powder packaged in water-soluble PVA bags. One grenade provides corrosion protection to one cubic yard (0.76 m³) of concrete.

**Package**: 20 - 1 lb (500 g) bags per box.

**Boiler Lizard®, Patented**

Vapor Corrosion Inhibitor (VCI) powder in a polyvinyl alcohol (PVA) water-soluble bag designed for dry lay-up of boilers.

**Package**: Carton tubes (1 bag per tube).

**BioClean 610**

Coconut oil phospholipid-based product designed for the dispersion and preservation of microbiological growth in water-treatment applications.

**Package**: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

**BioCorr™ Rust Preventive**

BioCorr RP is a ready-to-use, zero-VOC, water-based rust preventative that provides multi-metal protection while remaining environmentally preferable and biodegradable. BioCorr is ideally suited for aggressive indoor environments and mild outdoor environments offering up to 3-6 months outdoors or long-term (up to 2 years) indoors.

**Package**: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, bulk, and 16 oz. (455 ml) cans.

**Closed Loop Toad®, Patented**

Vapor Phase Corrosion Inhibiting (VCI) powders in polyvinyl-alcohol (PVA) water-soluble bags developed to provide corrosion protection in recirculating and operating cooling systems.

**Package**: Four 2.2 lb (1 kg) bags per box.

**Cooling Loop Gator®, Patented**

Vapor Phase Corrosion Inhibitor (VCI) powder packaged in polyvinyl-alcohol (PVA) water-soluble bags developed for seasonal, short or long-term lay-up.

**Package**: Four 2.2 lb (1 kg) bags per box.

**CorrCaps™ VCI Protective Covers**

Elastic sewn-on to VCI 126 or EcoWeave to create a “cap” that protects exposed brake assemblies on vehicles. Excellent protection and easy application. Can be sewn from 1” (2.5 cm) diameter to over 24” (60 cm) diameter.

**Package**: Custom sizes.
CorrLube™ VpCI Barriør Lamine
Heavy Duty Barrier-Foil/VpCI polyethylene laminated structure. Exceptional protection of moisture-sensitive and oxygen sensitive metal parts. Ideal for vacuum packaging.
Package: Available in custom sizes as pouches, covers, blankets, etc.

CorrLube™ VpCI Enhanced Lubricating Grease
Thixotropic grease with extreme pressure (EP) properties formulated for corrosion protection of metals exposed to severe environments.
Package: 14.5 oz. (43 liter) cartridges, 5 gallon (19 liter), 55 gallon (208 liter) drums.

CorrLube™ Hydraulic fluid
Synthetic lubricating oil for automotive brakes, machine tools, pumps, bearings, etc. Provides excellent corrosion protection.
Package: 16 oz. (0.47 liter) bottles, 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

CorrLube™ Industrial Gear Oil
Synthetic lubricating oil, used for a wide range of opened and closed gear sets. Provides excellent corrosion protection.
Package: 16 oz. (0.47 liter) bottles, 5 gallon (19 liter) pails, 55 gallon (208 liter) pails.

CorrLube™ VpCI Motor Oils
Automotive engine oils with VpCI protection. Grade SAE 10W-30 and 15W-40. API certified.
Package: 1 quart (0.94 liter), 5 gallon (19 liter) pails, 5 gallon (208 liter) drums, liquid totes and bulk.

CorrLube™ Food Grade Penetrant
USDA approved lubricating oil for use on machine parts that may be in contact with food. Formulated with biocides to help minimize bacterial growth.
Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums. Also available in EcoAir® 10 oz. (283 gram) cans.

CorrNetting™
CorrNetting is extruded (non-woven) from the highest quality PE resin and Cortec multimeal VCI's. Offers very effective packaging, which combines physical protection, cushioning and multimeal corrosion protection for sensitive mechanical parts and other sensitive materials.
Package: Available in a variety of different mesh and diameters, in tubular form or in flat sheeting.

Corr-Pak® VpCI Bubbles, Patented
Package: Standard and custom size sheeting, pouches and bundles.

Corr-Pak® VpCI Bubble Bio Film
Polymer extruded bubble film providing excellent corrosion inhibitor for up to two years. This product is also 100% biodegradable, no need to compost, once exposed to landfill conditions, will disappear within months.
Package: Available in custom size rolls.

Corr-Pak® VpCI Static Dissipative Bubbles
Packaging bubbles provide cushioning VpCI protection while preventing triboelectric charge generation.
Package: Available in custom size rolls.

Corr-Pak® VpCI Cold Seal Film
Cohesive system with VpCI protection. Available in paper and polyethylene. Stick firmly and only to itself. Conforms to MIL PRF-22019D, Type II
Package: Custom size roll stock.

Corr-Pak® VpCI Corrugated PE Sheetin
FDA approved, 100% recyclable packaging material. Easily fabricated into boxes, containers and custom totes.
Package: Available in custom size sheething.

Corr-Pak® Cushioning Film
VCI high density film laminated onto a closed cell foam for cushioning protection. Excellent for protecting vulnerable parts from physical damage and corrosion.
Package: Custom sizes.

Corr-Pak® Liner Board
The premium corrosion inhibiting liner board in the industry. Provides multi-metal protection. Fully recyclable/reprocessable.
Package: Custom sizes and constructions available upon request, in a 42 lb/1000 sq ft (205 g/m²) liner-board. Other basis weights are available.

Corr-Pak® EX VpCI Film
High density polyethylene film extruded with VpCI. Protects ferrous and non-ferrous metal. Excellent barrier. 1.25 mil (25-30 microns).
Package: Standard and custom size roll stock and sheething.

Corr-Pak® VpCI Liner Film
Exceptionally light (18 microns) and strong HDPE film for foam-in-place as well as for other wrapping and interleaving applications. Multimeal, recyclable, excellent barrier, tear and moisture resistance.
Package: Available in single sheeting in 36 and 48 inch (91 and 122 cm) widths.

Corr-Pak® VpCI Pipe Strip
Low density, polyethylene strip containing VpCI designed for protection of ferrous and non-ferrous metals and alloys.
Package: 500 ft. (152 m) of .25” (6.35 mm) diameter strip wound on a spool.

Corr-Pack 1 MUL Breathable Pouches, Patented
Tyvek® Breathable membrane filled with multimeal VCI (1-MUL). For applications where powder contamination is not acceptable. GSA 8030-01-208-1769
Package: 300 per carton.

Corr-Pak® VpCI Skin Film, Patented
Transparent skin film with VpCI for multimeal protection. Offers high clarity and optics. For industrial and retail packaging.
Package: Custom sizes.

Corr-Pak® VpCI Stretch Film, Patented
Package: Standard and custom roll stock.

Corr-Pak® VpCI Reinforced Paper
Made from the highest quality, reinforced neutral natural Kraft paper. This product offers excellent tear resistance, as well as providing corrosion inhibition to ferrous and nonferrous metals.
Package: Custom sizes and construction available.

Corr-Pak® VpCI Polyoated Paper
Made from the highest quality, neutral natural Kraft paper. This product will provide excellent corrosion inhibition, to both ferrous and nonferrous metals, at the same time, being grease resistant with superb moisture barrier properties.
Package: Custom sizes and construction available.

Corr-Pak® VpCI Tablets
All purpose VpCI for metal applications. Insert into packages. Nontaste free, non-polluting, for non-ferrous and ferrous metals. Conforms to MIL-I-22110C
Package: 1000 per bottle, 4 bottles per carton.

CorrShiede® VpCI Gold
Brilliant true gold colored water-based coating. Excellent salt spray and humidity resistance. Prevents corrosion in the most harsh environment.
Package: 5 gallon (19 liter) pails and 55 gallon (208 liter) drums and liquid totes.

CorrShiede® VpCI Strippable Coating
Water-based, non-flammable temporary coating that can be easily removed without the use of paint strippers or cleaners. Available in different colors.
Package: 5 gallon (19 liter) plastic pails, 55 gallon (208 liter) drums.

CorrShiede® VpCI Packaging Fabric
CorShield®, patented, is a multiple-layered protective fabric with a non-woven, soft inside layer. CorShield® is made from low-density polyethylene tapes, a high-density coating and is extrusion laminated.
Package: Standard and custom sizes available.

CorrShiede® VpCI Transit Coating
Water-reducible concentrate for transit protection of painted and unpainted surfaces.
Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

Corrossorber®
Scavenges corrosive gases from the atmosphere, providing passive protection against corrosion, oxidation and rust.
Package: 10 capsules per carton.

Corrossorber® VpCI Paper
This paper is specifically designed for packaging and protection of precious metals such as silver, gold, brass, tin and copper.
Package: Come in cartons of 300 units. Store at room temperature. Close cartons between uses. The shelf life of unopened cartons of Desicorr VpCI™ Pouches is up to 24 months.

Desicorr/Desicorr VpCI™
Two-in-one pouch which contains unique combination of the desiccant and VpCI (Vapor phase Corrosion Inhibitor).
Package: Available in standard and custom size roll stock and sheething.

CorVertere® VpCI Rust Converter and Primer
Water-based corrosion converting primer that is meant for application to rusted surfaces. Contains a chemical chelating agent that converts the rust to a paintable surface.
Package: 16 oz. (0.45l) jars, 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

CorWipe® 500 Heavy Duty Cleaner, Degreaser, Anti-stat & Protectant Wipe, Patented
Multi-purpose wipe cleans while leaving behind a protective antistatic and VpCI film. Removes oil, grease and light rust.
Based on strong Dupont's® Sorbent® non-woven fabric. Wipe size 5” x 5” (127 x 127 mm).
Package: 25 wipes per package, 12 packages per carton.

EcoAir® VpCI-324
Sprayable lubricant, non-flammable and contains no CFCs. H-1 rating containing bacteriostatic preservative. Non-flammable.
Package: 10 oz. (284 g) cans, 12 per case.
EcoAir® VpCI-337
Water-based logger with a delayed release actuator. Can be enclosed in a container and left to dispense.
Non-flammable.
Package: 13 oz. (369 g) cans, 12 per case.

EcoAir® VpCI-377
Package: 12 oz. (340 g) cans, 12 per case.

EcoAir® VpCI-414
Package: 13 oz. (369 g) cans, 12 per case.

EcoAir® VpCI-423
Package: 14 oz. (397 g) cans, 12 per case.

EcoClean® Dispersant 600
Biodegradable dispersant for Petroleum spills. This product is recommended for use in sea water, contaminated with oils/petroleum-based product spills for dissipating thin petroleum films from the water surface.
Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, totes and bulk.

EcoClean® VpCI-416
A non-toxic biodegradable liquid to remove heavy hydrocarbons, grease and machinery oils.
Package: Dozen 16 oz. (0.47 liter) bottles per carton, also available in kits.

EcoClean® VpCI-423
Thixotropic liquid uses natural organics to remove rust, scale and oxides.
Package: Dozen 16 oz. (0.47 liter) bottles per carton, also available in kits.

EcoClean® VpCI-433
Removes graffiti, inks, paints from metal, concrete and wood.
Package: Dozen 16 oz. (0.47 liter) bottles per carton, also available in kits.

EcoClean® Silver and Gold Cleaner
VpCI enhanced silver and gold polish for electrical contacts, jewelry and silverware.
Package: 16 oz. (453 gram) jars, 6 per carton.

EcoCor® Film
Fully biodegradable (per ASTM D 5338), aliphatic polyester film, utilizing Cortec’s patented VpCI technology.
Package: Standard and custom roll stock and bags.

Eco-Corr® ESD
A polymer extruded film that offers the same ESD and corrosion inhibiting properties as VpCI-125 Bio, but is an alternative product. 100% biodegradable. A more elastic film, as compared to VpCI-125 Bio.
Package: Standard and custom roll stock and bags.

EcoFilm™ Film
100% certified biodegradable/compostable per ASTM D6400. Non-VpCI product suited for all types of bag and packaging applications.
Package: Standard and custom roll stock and bags.

EcoSol
A water soluble, biodegradable polyvinylalcohol (PVOH) film, ideally suited for many packaging applications.
Package: Is packaged in barrier film.

COLOR KEY:
- VpCI Electronic Product
- Water/Oil Additives
- VpCI Metalworking Products
- Generic Chemicals
- VpCI High Performance Coatings
- VpCI Packaging Products
- VpCI Additives for Coatings & Fluids
- VpCI All Purpose Lubricant
- VpCI Water Treatment Products
- VpCI ECO Products
- VpCI Enhanced Lubricants
- Surface Preparation Product
- Concrete/Construction Products
- VpCI Powders
- 100% Biodegradable Packaging

EcoSpray® VpCI-325
Replaces oil with natural, biodegradable lubricants and corrosion inhibitors.
Package: Dozen 16 oz. (0.47 liter) bottles per carton, also available in kits.

EcoSpray® VpCI-389
Water-based coating to rust-proof iron, steel and aluminum.
Package: Dozen 16 oz. (0.47 liter) bottles per carton, also available in kits.

EcoWeave® VpCI Woven Polyethylene
Transparent VpCI film designed for use in applications where additional strength and tear resistance are required. FDA approved and recyclable.
Package: Custom sizes.

ElectriCor® VpCI-238/239
Multifunctional formulation providing three-way protection: multimetal corrosion protection, anticlastic and cleaning action. Corrosion inhibiting spray provides dry, ultra thin, protective film. For use in enclosed environments on electronic equipment and components. Will not alter electrical resistance, magnetic or thermal properties. NSF 68/01-413-9861. VpCI-238 is the indoor version of VpCI-239.
Package: 9.45 oz (267.75 g) aerosol or EcoSpray® 238 pump spray, 16 oz. (0.47 liter), 5 gallon (19 liter) pails and 55 gallon (208 liter) drums.

ElectriCor® EnviroSafe Contact Cleaner
An alternative to the products based on HCFC-141B solvent. This product is non-flammable, non-conductive, doesn’t leave any residue, fast evaporating and safe on most surfaces.
Package: 15 oz. (425 gram) aerosol cans.

ElectriCor® Universal Contact Cleaner
This product doesn’t contain any HFC’s, is very safe on plastic and doesn’t leave any residue, evaporates fast and is non-conductive. Removes light oil, grease and organic soils.
Package: 9 oz (255 gram) aerosol cans, 5 gallon (19 liters) pails, 55 gallon (208 liters) drums, totes and bulk.

G-6 Corrosion Inhibitor
Corrosion inhibitor for the protection of copper, brass and silver. Benzotriazole (BTA). Designed for direct treatment, circulating cooling systems, functional fluids, wrapping tissue, corrosion protective coatings and cleaners.
Package: 100 pound (45.4 kg) drums.
G-29 Corrosion Inhibitor for Copper and Brass Alloys
Corrosion inhibitor formulation for the protection of copper, brass, bronze and ferrous metals. Primarily designed for metalworking fluid formulations, and lubricating oils. 30% solution of tolytriazole in alkanolamine.
Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

M-95
It provides corrosion protection for steel, copper, brass, magnesium, aluminum, bronze, galvanized steel, and other ferrous and non-ferrous metals and their alloys.
Package: 5 gallon (19 liter) pails, 55 gallon(208 liter) drums, liquid totes and bulk.

M-109 Liquid Additive
Multimetal Oil based corrosion inhibiting additive for use in solvent and some waterborne coatings. The usage level recommended is 1 to 3% by weight.
Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

M-109 Liquid Additive
Multimetal Oil based corrosion inhibiting additive for use in solvent and some waterborne coatings. The usage level recommended is 1 to 3% by weight.
Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

M-110 Liquid Additive
Solvent based organic corrosion inhibitor that recommended for use in solvent based and some waterborne coatings. The usage level recommended is 1 to 3% by weight.
Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

M-118 Liquid Additive
Water-based additive to improve corrosion resistance in aqueous coating systems.
Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

M-119/M-119LV Liquid Additive
Water-based corrosion inhibiting additive for manufacture of water borne coatings. Provides contact and vapor phase corrosion inhibition for ferrous and non-ferrous metals.
Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

M-121 Plastic Additive
Masterbatch for extrusion of polypropylene film. PP extrusion grade resin base multimetal + desiccant formulation.
Package: Gaylord, 800 lbs. (364 kg).

M-124 Plastic Additive
VpCI Masterbatch for injection-molded plastics.
Package: Gaylord, 800 lbs. (364 kg).

M-126
Masterbatch for extruded films including LDPE, LLDPE, and HDPE, patented.
Package: Gaylord, 800 lbs. (364 kg).

M-138 Rubber Additive/M-138C
Powder form additive for synthetic elastomers and natural rubber. 138C version with increased protection of cast iron and aluminum.
Package: 50 lb. and 100 lb. fiber drum (22.7 and 45.4 kg).

M-150 Ink Additive
Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

M-168 Coatings Additive
VpCI additive for oil/solvent based liquid coating systems. Protection for ferrous and non-ferrous metals.
Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

M-235 Additive
Corrosion inhibitor powder additive for copper, copper-based alloys and other yellow metals.
Package: 5 pound (2.3 kg), 50 pound (23 kg), 100 pound (45 kg) fiber drums and bulk.

M-236 Additive
Liquid corrosion inhibitor especially for oils and solvent-based systems. It provides corrosion inhibition for ferrous and non-ferrous metals, but is very effective for yellow metals.
Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

M-238 Additive
Solvent-based blend of contact and vapor phase inhibitors developed to provide multimetal protection during operating and idle conditions. M-238 is a very effective inhibitor when it is added to aromatic, paraffinic, naphthenic, fluorocarbon and hydrocarbon-based compounds.
Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

M-240 Additive
Flash-rust corrosion inhibitor additive for water-based paints, additives, sealers, fluids, etc.
Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

M-370 Water-Based Additive
Multimetal corrosion preventive additive for water-based metalworking fluids, lubricants, cleaners and coatings during product manufacturing. Available in metal specific versions.
Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

M-380
Water-based corrosion inhibitor that is designed to be used with carboxylated acrylic or styrene-acrylic latices.
Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

M-381
Water-based corrosion inhibitor that is used most effectively with carbonated acrylic or styrene-acrylic latices. Combines the power of M-380, M-119LV, and a flash rust inhibitor. Doesn’t contain any nitrates or ammonia.
Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

M-415 Additive
Vapor phase corrosion inhibitor additive for solvent and oil-based systems. Indirect food contact FDA approved product.
Package: 100 pound (45 kg) polyethylene lined drums.

M-435 Coatings Additive
Water-based VpCI additive for aqueous coatings or compounds. Protects ferrous and non-ferrous metals. Prevents flash corrosion.
Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

M-528/528L
additives for hydraulic fluids used in subsea production control systems.
Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

M-529 Additive for oils and lubricants
Oil based corrosion inhibitor for lubricating oils for gasoline and diesel engines, hydraulic lubrication and other process system oils.
Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

M-530 Additive for Hydraulic and gear oils
Oil based corrosion inhibitor, containing ed-emulsifier for the use in hydraulic and gear oils.
Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

M-605/605L/605PS
De-icing Salt Additive
A non-toxic, environmentally friendly corrosion inhibitor designed specifically as a de-icing salt additive to prevent corrosion due to chlorides.
Package: 5 lb. (2.3 kg), 50 lb. (23 kg) and 100 lb. (45 kg) lined drums.

M-640/640L Additive for Engine Coolants
Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

M-645 Water/Oil Additive
Corrosion inhibiting additive for saltwater applications. Especially effective in ballast tanks and offshore platforms containing seawater, and for hydrotesting.
Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

M-5120 Coatings Additive for Skin Film and Blister Packaging, Patented
Water-based additive for heat seal coatings. Protects ferrous and non-ferrous metals.
Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

M-5365 Coating Additive
Solvent-based additive for non-aqueous coatings or compounds. Protects ferrous and non-ferrous metals.
Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

MilCorr™ VpCI Shrink Film, Patented
Composite film, containing the ultimate additives package: Cortec multi-metal Vapor phase Corrosion Inhibitors (VpCI), with and without UV (ultra violet) inhibitors. Film thickness 10 mls (250 microns).
Package: Available in sheeting and tube form.

S-5 Wetting Agent
Wetting agent for aqueous and non-aqueous systems. Specially formulated for use in combination with Cortec® water soluble and oil soluble inhibiting systems.
Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

S-7 Oxygen Scavenger
Oxygen scavenger designed to protect boiler systems against oxygen corrosion (hydrazine-free).
Package: 5 lbs. (2.27 kg), 50 lbs. (22.7 kg), 100 lbs. (45.4 kg).
CortecMCI.com

S-25 Thinner
- Solvent blend to be used in a number of Cortec® products to reduce application viscosity.
- Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

S-41
- Corrosion Inhibiting rinse additive for aqueous and non-aqueous systems formulated for use in combination with Cortec’s existing water and solvent soluble cleaning systems.
- Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.

S-42 Activator/Accelerator Additive
- S-42 is designed as an additive for used or new solutions of VpCI-422 to reactivate and accelerate their performance.
- Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

S-49 Fuel Additive
- Blend of solvents, dispersants, surfactants and emulsifiers for treatment of fuel oil grades 2, 4, 5 and 6.
- Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

S-69 Water Treatment Additive
- An all organic building block for water treatment formulations which contains a unique combination of contact and vapor phase inhibitors. Available in liquid or powder form.
- Package: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums.

S-70
- Economical, effective and environmentally friendly corrosion inhibitor liquid that provides excellent protection properties at very low concentrations. USDA approved as an additive for drinking water.
- Package: Liquid: 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk.
- Powder: 5 lbs. (2.2 kg) box, 50 lb. (22.7 kg) and 100 lb. (45.3 kg) drums.

S-111
- Powder additive for aqueous alkaline cleaners that provides excellent flash corrosion protection at low concentrations for parts in-process.
- Package: Available in 50 pound (23 kg), 100 pound (223 kg) and bulk.

S-13 Antiscalant
- General purpose water treatment antiscalant.
- Package: 5 gallon (19 liter) pales, 55 gallon (208 liter) drums.

S-14 Bio Patent Pending
- Biodegradable water treatment Building Block. It is a rare combination of powerful seal inhibition and excellent multi-metal corrosion protection.
- Package: 5 lbs. (2.2 kg), 50 lbs. (22.7 kg), 100 lbs (45.4 kg).

S-15 Boiler Treatment Additive
- This product is a combination of oxygen scavenger and volatile neutralizing amines. The formulation is specifically designed for medium and high pressure boilers.
- Package: 5 gallon (19 liter) pales, 55 gallon (208 liter) drums.

S-20 Thinner
- Water/solvent blend used to quickly reduce the viscosity of water-based coatings. Recommended for adjusting the viscosity of VpCI-376 and VpCI-386.
- Package: 5 gallon (19 liter) pales, 55 gallon (208 liter) drums.

Visit our website for more information on Cortec® Vapor phase Corrosion Inhibitors™.

CortecVpCI.com and CortecMCI.com

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