

# VpCI® Additives for Deicing Salts and Fluids



## Simple. Clean. Efficient.

Often it is necessary to use corrosive seawater, brine solutions, or deicing chemicals for industrial applications, but these can create a major problem for any metals in the system. Cortec® offers additives to combat these highly corrosive fluids containing salts.

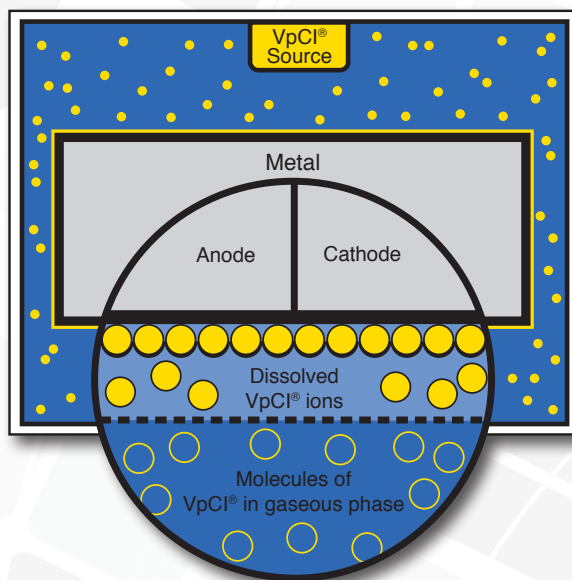
Cortec's corrosion-inhibiting additives come in powder and liquid options that can be added directly to the deicing or brine solution to protect metals exposed to the corrosive elements. Additives for deicing salts conform to Pacific Northwest States DOT requirements for deicing additives and are non-toxic, environmentally friendly, and free of chromate, nitrite, or phosphate inhibitors.



## Possible Applications

- Deicing fluids
- Ballast tanks
- Distillation towers
- Cooling towers
- Hydrostatic testing with seawater

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 Deicing Salt and Fluid Additives

**FlashCorr® VpCI®:** A highly effective, non-toxic, environmentally safe cleaner that removes and neutralizes even the harshest of salt build-up from any metal surface. It has a unique ability to neutralize and remove salt deposits such as sodium chloride and other deicing salts, as well as protect from flash rust. Package: 5 pound (2.3 kg) pails, 50 pound (23 kg) and 100 pound (45 kg) fiber drums.

**M-605:** Corrosion inhibitor additive for deicing salt and brine solutions. Protects ferrous and aluminum-based alloys. Liquid (L) and USDA certified biobased Powder (PS) versions available. Package: M-605 L is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk. M-605 and M-605 PS are available in 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-605	x	x		x				Powder	Contact	Water	Flash	Deicing Fluid / NaCl	0.3-5% by weight
M-605L	x	x		x				Liquid	Contact	Water	Flash	Deicing Fluid / MgCl2	0.3-5% by weight
M-605PS	x	x		x				Powder	Contact	Water	Flash	Deicing Fluid / CaCl2	0.3-5% by weight
FlashCorr®	x	x		x				Liquid	Vapor Phase & Contact	Water	Flash	Rinse/Wash	0.05-2% 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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