



## VpCI ADDITIVES FOR COATINGS, FLUIDS, ADHESIVES AND PLASTICS

# M-111

### PRODUCT DESCRIPTION

M-111 is a water-based rust preventive concentrate for water blasting, wet abrasive blasting, hydrotesting, fire sprinkler water systems, or preservation. It leaves a very thin, transparent, tack-free barrier on metal surfaces.

M-111 is non-toxic, environmentally friendly and contains no nitrite nor phosphate inhibitors. M-111 is safe, economical to use and easy to dispose of. The film is weldable and will not cause toxic fumes during welding.

M-111 contains contact and vapor phase corrosion inhibitors capable of protecting uncoated surfaces.

VCI treatment can be removed from the metal surface with water or any conventional washing procedure. In most cases, M-111 need not be removed prior to painting or coating.

### FEATURES

- Non-flammable
- Non-toxic, nitrite- and phosphate-free
- Environmentally friendly
- Weldable
- Can be painted over
- Suitable for salt water applications

### TYPICAL APPLICATIONS

- Wet abrasive blasting
- Water blasting
- Hydrotesting
- Preservation of sandblasted surfaces
- Ballast tank preservation

### METHOD OF APPLICATION

For wet abrasive blasting and water blasting, add M-111 concentrate directly to the blasting media. After blasting allow the freshly blasted surface to dry.

For hydrotesting, add M-111 concentrate directly to the hydrotest water. Either leave the solution in or drain it out.

For preservation of sandblasted surfaces, add M-111 to water and spray the freshly cleaned surfaces with the solution.

### METALS PROTECTED

- Carbon steel
- Mild steel
- Stainless steel
- Other ferrous metals
- Aluminum

### TYPICAL PROPERTIES

Appearance	Clear slightly yellow liquid
pH	8-9 (Neat)
Non-volatile Content	5-10%
Density	8.5-8.7 lb/gal (1.02-1.04 kg/l)

### PACKAGING AND STORAGE

M-111 is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk. Store M-111 in a heated warehouse to avoid freezing. Under these conditions, shelf life is 24 months.

## DILUTION RANGE

Dilute M-111 at a ratio of 1:10 to 1:40 with water by volume for fresh water applications.

Dilute M-111 at a ratio of 1:4 for salt water applications.

## LIMITATIONS

Always dilute M-111 with potable water. M-111 is not suitable for yellow metals (i.e. copper, brass).

## FOR INDUSTRIAL USE ONLY

## KEEP OUT OF REACH OF CHILDREN

## NOT FOR INTERNAL CONSUMPTION

## CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION

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