



## VCI METALWORKING PRODUCTS

# M-370

### PRODUCT DESCRIPTION

M-370 is a multimetal, corrosion preventive additive for water-based metalworking fluids, lubricants, cleaners and coatings during product manufacturing. This water-based additive utilizes VCI technology for maximum protection.

M-370 is also available in:

- M-370 NS, a surfactant-free version, which helps in some detergent formulations
- M-370 HS, a high surfactant version for providing a source of a compatible surfactant with levels high enough to clean
- M-370 C, which provides additional protection to cast parts and surfaces which are rough

### FEATURES

- Water-soluble
- Environmentally acceptable
- Safe to apply
- Prevents flash corrosion on metal surfaces
- Very stable in hard water
- Forms a hydrophobic film
- Will pass through a 1 micron filter
- Nitrite-free and phosphate ester-free
- Non-flammable
- Passes ASTM D-4627-86 (Test Method for Iron Chip Corrosion for Water-soluble Metalworking Fluids) at 2.0% by weight
- Usually can be added at any stage of production

### TYPICAL APPLICATIONS

- Coolants
- Primer coatings
- Alkaline cleaners/detergents

### SUGGESTED STARTING CONCENTRATIONS

*Short-term protection:*

1 part concentrate to 50-60 parts solution.

*Long-term protection:*

1 part concentrate to 40 parts solution.

*For protection up to two years:*

1 part concentrate to 20 parts solution.

### METALS PROTECTED

- Cast iron
- Cast aluminum
- Steel
- Copper

### TYPICAL PROPERTIES

Appearance	Clear dark brown liquid
Film Type	Dry, clear
pH	8.0-9.5 (Neat)
Density	8.8-8.9 lb/gal (1.05-1.07 kg/l)
Non-volatile Content	40-45%

### PACKAGING AND STORAGE

M-370 is packaged in 5 gallon (19 liter) containers, 55 gallon (208 liter) drums, liquid totes and bulk. The product should be sealed and stored in a heated warehouse to avoid freezing. M-370 has a shelf life of 24 months.

**FOR INDUSTRIAL USE ONLY**  
**KEEP OUT OF REACH OF CHILDREN**  
**KEEP CONTAINER TIGHTLY CLOSED**  
**NOT FOR INTERNAL CONSUMPTION**  
**CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION**

**LIMITED WARRANTY**

All statements, technical information and recommendations contained herein are based on tests Cortec Corporation believes to be reliable, but the accuracy or completeness thereof is not guaranteed.

Cortec Corporation warrants Cortec® products will be free from defects when shipped to customer. Cortec Corporation's obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Cortec Corporation of the claimed defect within six months after shipment of product to customer. All freight charges for replacement products shall be paid by customer.

Cortec Corporation shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products.

**BEFORE USING, USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE, AND USER ASSUMES ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH.** No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of Cortec Corporation.

**THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. IN NO CASE SHALL CORTEC CORPORATION BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.**



Distributed by:

4119 White Bear Parkway, St. Paul, MN 55110 USA  
Phone (651) 429-1100, Fax (651) 429-1122  
Toll Free (800) 4-CORTEC, E-mail [info@cortecvci.com](mailto:info@cortecvci.com)  
Internet <http://www.cortecvci.com>

