

# ADDITIVES CIRCULAR

## NOVEMBER 2008

### Welcome to Cortec® Corporation's Premiere Issue of Our Additives Newsletter!

The purpose of this newsletter will be to provide you with up to date information on new products, applications and changes within the additives line of products.

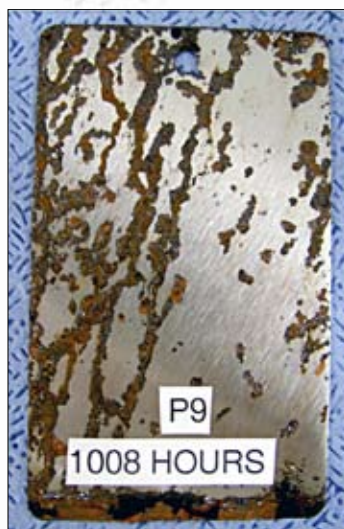
Cortec® would like to introduce Matt Drew, our newest member to the technical sales team at Cortec® Headquarters. Matt comes to us from a diverse background including Molecular Biology and retail sales. His Inside Sales Representative position was put in place to ensure timely feedback and answers to our Additives customers.

Our technical sales staff consists of Vice President of MCI® /Additives Jessi Meyer, Technical Service Engineer Eric Uutala, and coatings chemist Angel Green.

### CURRENT PRODUCT INFO:

#### M-435

M-435 was originally made as an additive to water and solvent-based paints, sealers, adhesives, and fluids. It has excellent flash rust protection and can be used for in-can corrosion. Since its introduction, M-435 has been used for several different applications. It has been used in closed looped cooling systems in water treatment operations, spray coatings, adhesives, in a potassium acetate based de-icing fluid used on civil runways where it may come into contact with the undercarriages of aircraft, and even in cell phone cases. M-435 has proven to be a very versatile product that can be used in a wide variety of applications. If you have any questions, or additions to this list, please contact a Cortec® technical service representative.



Cutting fluid control (panel P9) after 1008 hours in ASTM D 1748 humidity cabinet (120°F, ~100% relative humidity).



0.5% M-435 in cutting fluid (panel G9) after 1008 hours in ASTM D 1748 humidity cabinet (120°F, ~100% relative humidity).

#### M-95

M-95 is a low foaming water soluble corrosion inhibitor additive. It provides corrosion protection for steel, copper, brass, magnesium, aluminum, bronze, galvanized steel, and other ferrous and non-ferrous metals and their alloys. It has several application uses such as, synthetic coolants and cutting fluids, industrial cooling towers, water based lubricants, paint additives, alkaline metal cleaners, and a radiator fluid additive. M-95 prevents corrosion in both contact and vapor phases.



Half immersion corrosion test of 0.5% M-95 on carbon steel panels vs. control (right) at 40°C for 72 hours.

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### NEW PRODUCT INFO:

#### M-408

M-408 is a corrosion inhibitor for brake fluid. It is compatible with DOT 3, 4, and 5 brake fluids, but is especially effective in silicon based brake fluids, such as DOT 5. M-408 dramatically improves corrosion protection of brake systems and does not adversely affect other properties of DOT-5 brake fluid, including flammability, high and low temperature serviceability, dry and wet boiling points, and compressibility.



Side B of 5% M-408 in a silicone based brake fluid with control panel (left) in humidity cabinet after 225 hours.

### We want to know what you've been up to!

We are searching for applications, case histories, and stories regarding our additives product line. Please share your experiences with us, so we can focus on certain applications and have better intelligence to generate more sales.

Feel free to contact any of our staff if you have application questions, case histories, or if you need more information in order to grow!

### UPCOMING EVENTS

FutureCoat – October 2008

Distributor Training – October 2008

International Concrete Restoration Institute 3rd Annual

Kick-Off Party – February 2009

World of Concrete – February 2009

### ADDITIVES CONTACTS

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Metalworking and Oil Additives:

- |            |           |
|------------|-----------|
| ● M-95     | ● M-235   |
| ● M-238    | ● M-320   |
| ● M-369    | ● M-370   |
| ● M-370 NS | ● M-370 A |
| ● M-370 C  | ● M-528   |
| ● M-529    | ● M-530   |
| ● M-609    | ● M-640   |

Angel Green

Coatings Chemist

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Coatings Additives:

- |            |         |
|------------|---------|
| ● M-109    | ● M-110 |
| ● M-118    | ● M-119 |
| ● M-119 LV | ● M-168 |
| ● M-240    | ● M-380 |
| ● M-381    | ● M-435 |
| ● M-5365   |         |