



VpCI ADDITIVES FOR COATINGS, FLUIDS, ADHESIVES AND PLASTICS

M - 235

PRODUCT DESCRIPTION

M-235 is a proven corrosion inhibitor for copper, copper-based alloys and other yellow metals. M-235 functions by reacting with surface copper oxides to form a strong, insoluble polymeric complex. This complex creates a thin layer or film on metal surfaces that provides both a mechanical and electrochemical barrier against corrosive attack. This protective layer has a high degree of thermal and oxidative stability and cannot be easily removed. M-235 complexes yellow metal ions in solution, thereby preventing galvanic corrosion of other metals in contact with copper. M-235 has solubility in some water and organic systems.

SUGGESTED USES

M-235 can be used in many applications for protection of yellow metals.

- Direct treatment on rolled copper or brass sheets and coils
- Circulating cooling systems such as cooling towers and air conditioning systems
- Functional fluids such as hydraulic fluids, specialty lubricants, automotive coolants and metalworking fluids
- Wrapping paper and box board for wrapping, interleaving, shipping and storing copper and brass items
- Corrosion protective coatings such as lacquers and waxes
- Cleaners such as soaps, detergents and strong alkali or acid cleaners
- Fabricated products made from copper and brass
- Artifacts, sculptures and decoration items

DOSAGE

M-235 has an almost neutral pH when incorporated into liquids at a concentration between 0.1 and 2.0%. Liquids may be either aqueous or non-aqueous. It may also be used as a solid or vapor. For a specific recommendation please contact a Cortec representative.

TYPICAL PROPERTIES

White to off-white powder
98-100%
94°-99°C (201°-210°F)
,
1.98
7.4
71.6
55.0
53.9
34.6
150.7
47.7
46.1
1.3
0.06
0.1
0.01

*Petroleum oil formulations containing polar additives, such as tricresyl phosphate and alkylbenzensulfonic acid derivatives, will increase the apparent solubility.

PACKAGING

M-235 is available in 5 pound (2.3 kg), 50 pound (23 kg), 100 pound (45 kg) fiber drums and bulk.



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**

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