



VAPPRO VCI-CU-TECH

CORROSION INHIBITOR FOR COPPER

NATO STOCK NUMBER:

DESCRIPTION

Vapro VCI-Cu-Tech is a free flowing clear liquid specially developed to protect copper and its alloy's from oxidation. It functions by reacting with copper oxide on the surface of copper or copper alloys forming a strong insoluble polymeric complex.

This complex formation results in a protective film on the copper surface, a few molecules thick, that provides a mechanical and electrochemical barrier against corrosive attack.

The protective layer has a high degree of thermal and oxidative stability. It remains stable when exposed to acidic, neutral or alkaline conditions, elevated temperature, ultraviolet light and oxidizing conditions.

FEATURES & BENEFITS

- Film is chemically banded to surface
 - Mechanically and heat stable
 - Solvent resistant
 - Ultra-violet stable
 - Oxidatively stable
 - Covers entire metal surface (Anode and Cathode)
 - Does not contain heavy metals
 - Nitrites, chromates and phosphates free
 - Biodegradable
 - Environmentally friendly
- Essentially non-toxic

AREA OF USE

Heat exchangers, copper tubes, copper pipes, copper plates and copper alloys.

DIRECTIONS FOR USE

Vapro VCI-Cu-Tech may be diluted with water up to 5 parts deionized or distilled water.

Heat solution up to 40°C to 80°C and immersed metal substrate for 5 to 10 minutes before air drying. Allow it to cool before packaging.





SPECIFICATIONS

Appearance
Clear Liquid

pH
7

Specific Gravity
0.8

Flash Point
13°C

AVAILABLE PACKAGING

20 liters pail

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