



## VAPPRO 819 VCI COATING FOR SMALL ARMS

**NATO STOCK NUMBER:**  
6850-32-076-8150  
CONFORMS TO MIL C-16173D  
(GRADE 2)

### INTRODUCTION

During situations of threat, defense forces are expected to move into position fast. Speed and numbers are crucial. When the lines of communication turn volatile, will your weapon turn out smooth and awesome as they should? Your weapon, weapon system and equipment are they operational ready?

Vapro is your key to operational superiority. Magna has successfully preserved military vehicles, weapons and weapon systems, optical and electronic equipment in Asia Pacific Region.

Vapro 819 is specially developed to enhance operational readiness.

### DESCRIPTION

Vapro V.C.I. 819 is a light brown thixotropic liquid with VCI corrosion inhibitors and oil based or solvent based carriers. The residual film, after solvent evaporation is highly resistant to salt water and salt spray, making Vapro V.C.I. 819 particularly useful in military, marine, industrial, and off-shore rust proofing applications. Vapro V.C.I. 819 provides optimal corrosion protection up to 10 years, for long term storage of small arms.

### ADVANTAGES

- Dry to touch film properties allow protected metal surfaces to be easily handled.
- Little surface preparation, as Vapro V.C.I. 819 will adhere to the pre-rusted surfaces.
- A thixotropic liquid, and self-healing. Thus, resistant to sag, run-off, and flow.
- Universal protection for ferrous and non-ferrous metals and alloys.
- The non-conductive film with high resistivity and insulating properties effectively prevents galvanic corrosion between dissimilar metals.
- Have moisture displacing characteristics.
- Thermally stable coatings over a broad range of temperature (30°C - 95°C).
- Vapro V.C.I. 819 provides high levels of corrosion resistance, up to 10 years indoor protection in corrosive atmospheres.
- Moisture displacing and penetrating film characteristics.
- Universal protection for ferrous and non-ferrous metals and alloys.
- Easy removal by petroleum solvents or Vapro AWM sonic wash machine.





## TYPICAL APPLICATIONS

Preservation of Weapons

Long term storage of small arms – M16, AR15, SAW Ultimax, GPMG, 84/ 106 Recoiless Gun, 81mm / 120mm mortar etc.

## METHOD OF APPLICATION

- Dipping, spraying or brushing are recommended methods of applying. Film thickness of 2 mils to 5 mils.
- For maximum protection use Vapro V.C.I. 819 in concentrate form.
- For short term protection Vapro V.C.I. 819 can be diluted 1:1 with mineral spirits.
- Vapro V.C.I. 819 can be applied over pre-rusted or oily surfaces.
- Application does not require heating of inhibitor solution or increased temperatures for drying.

## SPECIFICATIONS

Film Type

Dry waxy film

Appearance

Dark brown thixotropic liquid

Carrier

Mineral spirits/Napthenic oil

Specific Gravity

0.92 at 25°C

Flash point

Concentrate form 232°C

Viscosity

cps at 23°C 8000 cps

## AVAILABLE PACKAGING

20 liters & 208 liters Drum

For more information about the product or any technical support, please contact us or our authorized distributor:

**Magna**



### HEADQUARTERS, SINGAPORE

Magna International Pte Ltd  
10H, Enterprise Road,  
Singapore 629834.  
Tel (65) 6788-1228  
Fax (65) 6785-1497  
Email [info@magnachem.com.sg](mailto:info@magnachem.com.sg)  
Website <http://www.magnachem.com.sg>

### NORTH AMERICA

1450 Government Road West  
Kirkland Lake, Ontario P2N 2E9  
Canada  
Tel 1.416 479 9151  
Fax 1.888 317 1993  
Email [magna@vapro.com](mailto:magna@vapro.com)  
Website: <http://www.vapro.com>

Magna and Vapro are registered trademarks of Magna International Pte Ltd.

Copyright 2007. The details of our products are given completely free of undertaking. Since their application lies outside our control, we cannot accept any liability for the results. User shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith.

