



VAPPRO VCI-869 VCI GREASE

NATO STOCK NUMBER:
9150-32-076-1117

CONFORMS TO MIL C-83933A

DESCRIPTION

VAPPRO VCI-869 is a mixture of vapour corrosion inhibitors, and oil-based carriers. It is formulated to provide superior protection over conventional rust inhibiting oils/coating. VAPPRO VCI-869 concentrate is a grease-like material that is diluted with oil to provide self-healing and lubricating coating. VAPPRO VCI-869 can also be added to lubricating oils to improve corrosion resistance.

TYPICAL APPLICATIONS

MAINTENANCE

- Mothballing refineries, power plants and chemical plants.
- Protection of structures and equipment.
- External surfaces of large machines, pipes, pumps, heat exchangers, etc. during standby, field storage or operation.

CONSTRUCTION STEELS FOR FABRICATING, STORAGE, AND IN FIELD USE

- Joints, profiles, casings.
- Steel ropes and aluminum or steel sidings.
- Bridges, structures and concrete reinforcing bars.

METALWORKING AND MANUFACTURING

- Protects any metal part, component or assembly between processing or machining steps.
- Excellent for protection of finely machined, honed, or polished surfaces where tight tolerances are important.

ADVANTAGES

- Tacky film provides good lubrication to moving or sliding parts.
- Universal protection for ferrous and non ferrous metals and alloys.
- Thixotropic and self-healing, thus resistant to sag, run-off and flow.
- The non-corrosive film with high resistivity and insulating properties effectively prevents galvanic corrosion between dissimilar metals.
- VAPPRO VCI-869 provides high levels of corrosion resistance, up to 24 months outdoor protection in corrosive atmosphere.
- Has moisture displacing and penetrating characteristics.
- Little surface preparation needed, as VAPPRO VCI-869 will adhere to pre-rusted areas.
- Excellent U.V. resistance, providing optimal outdoor performance without cracking or chipping of protective film after prolonged exposure to sunlight.
- The product is easily removable with mineral spirits or aliphatic solvents.





TYPICAL APPLICATIONS

MARINE AND UTILITIES

- Castings, pumps, valves, and compressors.
- Internal and external surfaces of engines.
- Transmissions, hydraulic pistons, and cylinders.
- Equipment undercoating.
- Bearings, brake drums, engine components.
- Ballast tanks, storage, and process vessels.
- Wire rope, cable, wire, and chains.
- Internal and external surfaces of drill pipe, sucker rods, and other oil country tubular products.
- Frames, cabs, stampings, castings, and plate steel.

ADDITIVES TO SLUSHING OILS OR LUBRICANTS

- Superior gear, stamping or drawing lubricant.
- May be added to rolling oils for aluminum, cold rolled or hot rolled steels, and galvanized steel for corrosion protection.

DIRECTIONS FOR USE

- When diluted with mineral oil VAPPRO VCI-869 may be applied by oilers or electrostatic sprayers, as well as by other spray methods.
- Dipping, spraying or brushing is recommended methods of applying.
- Film thickness of 0.5 to 2 mils is recommended for indoor or sheltered protection.
- For use as an additive to R.P. oils, stamping, or drawing lubricants, dilute up to 1:10 by volume.
- VAPPRO VCI-869 can be applied over pre-rusted or oil surfaces. Application does not require heating of inhibitor solution or increased temperatures for drying.

SPECIFICATIONS

Appearance

Red Grease

Film Thickness, mils

2-4

Weight per gallon, lbs

8.1 lbs/gallon

0.97 kg/liter

Melting Point(Dropping Point)

207°C

Specific Gravity

0.9 ± 0.025

Flash Point(min), °C

205°C

Drying Time

Remains Tacky

AVAILABLE PACKAGING

18 Kg & 180 Kg drum

Magna

Magna International Pte Ltd

10H, Enterprise Road,
Singapore 629834.

Tel (65) 6786-2616

Fax (65) 6785-1497

Email info@magnachem.com.sg

info@vapprovci.com

Web <http://www.vapprovci.com>

Headquarters



Singapore

Regional Offices



Australia



Canada

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