



VAPPRO 871 VCI OIL

NATO STOCK NUMBER:
6850-32-077-7002

DESCRIPTION

Vapro-871 is a light oily liquid that gives off an invisible vapour that protects ferrous and non-ferrous metals from rusting or corroding. You can use Vapro-871 to protect machine tools, weapons, gear assemblies, automotive parts, engines, machinery parts, hand tools, and other metal products subject to rusting or atmospheric corrosion during storage or shipping.

Vapro-871 protects in two ways: first, oil soluble VCI offers a tenacious film, which clings to metal surfaces. In addition to this filming barrier, VCI releases vapor phase inhibitors into the air over the oil. These vapours condense and form a protective vapour barrier on surfaces not contacted by the liquid product. The combined action provides complete protection for internal system parts.

Vapro-871 performs effectively even under the adverse conditions of 100% Relative Humidity. It contains no hazardous chromates, nitrites or phosphate inhibitors.

FEATURES

- Environmentally friendly.
- Biodegradable.
- Vapro-871 provides universal corrosion protection for ferrous and nonferrous metals.
- Vapro-871 is a nitrite free formulation, non-toxic and thermally stable, providing long-lasting contact and vapor phase corrosion protection.
- Provides continuous corrosion protection during operation, standby and shutdown periods.
- Cost-effective: a little Vapro-871 goes a long way. It is the most practical way to protect internal metal surfaces that cannot be practically protected by any other method. Vapours from
- Vapro-871 penetrate grooves, fill etchings, envelop machining holes, protect where no other metal preservative can.
- Easy to use: keeps metal parts and products new for years by single spray. It's the ultimate for long time protection of packaged articles.
- No De-preservation problems: Vapro-871 is easily removed by wiping or simple degreasing. It is compatible with all metals, including aluminum; has no effect on neoprene; may be confined with plastic film, oilpaper wrapping, and boxboard.
- Method of packaging to conserve vapor: Metals parts may be packaged in sealed plastic bags, aluminum wraps, corrugated boxes; wrapped in oil paper; or draped with a plastic shroud or canvas cover.





APPLICATIONS

- Spray light coating on flat metal before or after metal working for temporary storage.
- Spray on small complex metal parts. This tenacious film will cover and protect interior hard to get at surfaces as small as 1 micron. Storage, Shipping, Stand-By.
- Use Vapro-871 for corrosion protection of Machine Tools: Diesel Engines, Drill Presses, Mill Rolls, Lathes, Spare Parts.
- Automotive Parts, Transmissions, Axles and Differentials, Farm Implements.
- Small Tools, Fasteners, Hardware, Fine Instruments, Nuts, Bolts, Screws, Steel Wire, Machinists Tools, Machine Stock .
- Storage Units, Steel Tanks, Drums, Pneumatic Air Tanks, Gasoline Tanks, Barge Compartments, Fuel Oil Tanks.
- Metal Components, Machined Castings, Ball and Roller Bearings, Crank Shafts, Dies and Die Stock.
- Capital Goods, Hydraulic Machines, Compressors, Roll Calendars, Reduction Gears.
- Manufactured Products, Fire Arms, Skates.
- Aircraft and Rocketry, Jet Engines, Hydraulic Systems, Pneumatic Systems, Fuel Systems.

DURATION OF PROTECTION

- Indoors - 12 months

AVAILABLE PACKAGING

20 liters pail or 400ml Aerosol Can

TYPICAL PROPERTIES

Appearance
Clear Amber liquid

Flash Point
min 105°C

Density @ 15°C
0.775-0.81 g/cm³

Film Thickness(approximate)
2 microns

Film Type
Thin, oily

Kinematic Viscosity @ 40°C
11-16 mm²/cSt

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



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