

VCI ANTI CORROSION OIL

SP-M OIL

SAFEPAK VCI OIL "SP-M OIL" is a specially developed multipurpose solution having hi-tech VCI chemicals (volatile corrosion inhibitors) dispersed in an oil base. It is ideal rust preventive oil for closed systems like fuel tanks, gearboxes, engines, engine oil pumps, hydraulics etc. It provides protection to multi-metals (i.e. ferrous and non-ferrous metals). It is the most viable option where VCI Paper, VCI Powder, VCI Tablets cannot be used.

Core Elements

SAFEPAK VCI OIL "SP-M OIL" provides an effective method of protection for short duration both during in-process storage, after final operation and during operation. It protects metals both through direct contact and vapor action. The hi-tech VCI chemicals deposit on the metal surface and form a protective mono-molecular layer, which provides protection to the parts from corrosion. It thus enables effective protection of ferrous and non-ferrous metals against corrosion even under adverse conditions including contaminants in air such as hydrogen sulphide, sulphur dioxide, ammonia or acid rain.

Features

1. Offers protection to a wide range of ferrous and non-ferrous metals.
2. It has the property of neutralizing acidic radicals that may be adhered on the metal surface.
3. It is miscible in petrol, diesel and other oils.
4. It burns without ash formation.
5. Does not require removal when starting operation of engines, machines etc.
6. Provides continuous protection during machinery operation, standby or shutdown periods.
7. It has high thermal stability and performs even under high relative humidity.
8. It is generally compatible with rubber, gaskets, oil seals, hoses etc. and most of the paints.
9. Designed for protection of internal as well as external metal surfaces.
10. Under normal conditions offers protection upto 24 months for internal storage (i.e. In closed systems) and upto 6 months for external storage when parts are covered with a suitable packaging material such as polythene, laminated paper, plastic container/bag.
11. Molecular VCI layer does not affect electrical /optical/mechanical surface properties.
12. Effective in polluted and humid atmosphere.
13. Not harmful to humans and is environment friendly.
14. Does not require activation prior to usage.
15. VCI layer is self-replenishing and replenishes itself when package is re-closed after opening for inspection or such other purpose.

Benefits

- Gives value for money.
- Cost reduction by: reduced consumption of Labor, Materials & Time.
- Value added product / service.
- Peace of mind during shipping and storage.
- Less periodic maintenance.

• *Technology* • *Innovation* • *Environment friendly*

Spectrum of Applications

SAFEPACK VCI OIL "SP-M OIL" is predominantly used for :

1. For protection of ferrous and non-ferrous metal coils/sheets/wires.
2. Especially suitable for protection of closed systems like gear boxes, housings, tanks, engines, transmission assemblies, hydraulics etc.
3. For protection of Automobile components.
4. For protection of metal pipes and tubes (both internal & external surfaces).
5. For protection of castings, forgings, pressed components. · Machined Parts & components.
6. Many more !

Packaging & Storage Conditions

1. Store in a cool and dry place in a tightly sealed container.
2. Stable at normal storage conditions.
3. Keep away from contaminants prior to usage.
4. Store in original packing for optimum benefits.

Metals Protected

Ferrous metals such as iron & steel, castings, forgings and pressed components and nonferrous metals like copper, brass, bronze, cadmium, zinc etc.

Specification & Standards

SAFEPACK VCI Anti Corrosion OIL "SP-M OIL" is available in following standard range :

GRADE	PROTECTION COVERAGE	PACKAGING
SP-M OIL	50 sq.mtr surface area/litre	5 litre can
		20 litre can
		200 litre barrel

Method of usage

1. Clean the parts to be protected from dirt, dust and other contaminants.
2. It can be applied either by dipping the components or spraying or by applying with a brush.
3. If required, the oil film can be removed with white spirit or alkaline cleaners.
4. Stir the solution well before use.
5. For optimum effect cover the components with a suitable packaging material such as a polythene sheet/bag.
6. Seal package well, though not necessarily air tight for maximum benefit.

Typical Properties:

Property	Units	Value
Colour		Yellowish brown
Viscosity	mm/Sec	240-250 (at 20deg. C)
Density	gm/ml	0.92 (at 25 deg C)
Flash Point	deg. C	min. 55
Specific gravity		0.90 to 0.97
Coverage	cc per litre	3 to 4 of void space*
pH		Alkaline(7.00 +)
Corrosion Performance	As Per MIL-2073 ID	Passes 3 Cycle

* Ferrous metals such as iron & steel, castings, forgings and pressed components and Nonferrous metals like copper, brass, bronze, cadmium, zinc etc.

SAFEPACK range of products:



Also available Customised Packaging Solutions that meet your needs & requirements.

LIMITED WARRANTY

The values shown above were developed from our random sampling procedure & we believe them to be specific for this product only. SAFEPACK Industries Ltd. gives no warranty express or implied as to the suitability of these products for any specific application. Users should determine the product suitability for any application through their own testing & evaluation. Standard warranty clause applies to all supplies. SAFEPACK Industries Ltd. shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products.

For more information call us today !

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