



BRANOrOl

VCI-anticorrosion oil



■ BRANOguard

Temporary corrosion protection for the automotive, mechanical engineering and metal processing industries.

■ Characteristics

Mineral oil-based anticorrosion oil without solvent, wax, wool fat, silicone or inorganic, ash-building additives.

BRANOrOl protects in two different ways:

- As oil film, directly on metal surfaces (protective coating)
- Through giving off small amount of active anticorrosion ingredients above oil level in the surrounding atmosphere: the VCI principle (Volatile Corrosion Inhibitor). A permanent protecting atmosphere is built up in an enclosed hollow space.

■ Application and Dosage

For hollow-space protection of gears, pumps, engines, cylinders, pipes, tanks, during shipment and storage of newly manufactured units; even during seasonal closure (farm machines, snow remover and boats). Not for hollow space of car bodies. BRANOrOl is simply poured or sprayed into the to-be-protected hollow space. Afterwards, all openings are sealed as tightly as possible.

Dosage:

In general, up to 1 m³: 300 ml BRANOrOl per m³ of hollow space. (Please inquire about bigger units.)

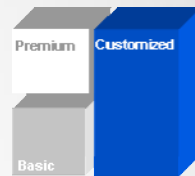
BRANOrOl is to be used as described above (packaging/ protection of certain kinds of metal pieces). Otherwise, no responsibility for caused damages can be taken.

■ Range of Protection

Especially made for the protection of iron. If copper, brass or bronze is present, BRANOrOl has to be fully sprayed on it at the beginning of the preservation. If magnesium, cadmium, zinc or lead is present, a certain rate of material abrasion is expected.

BRANOpac Solutions with System

According to your requirements, you have the choice between three BRANOpac solutions: BRANOpac Basic, Premium or Customized.



BRANOPAC
Solutions with System

BRANOröl

Product Information

■ Delivery Forms

Containers of 10, 20, 50 or 200 litres.

■ Operation Safety

According to the hazard substance ordinance, BRANOröl is not a dangerous preparation. Further information can be found in the safety data sheet.

■ Disposal

According to the German recycling and waste disposal laws (Kreislaufwirtschafts- und Abfallgesetzes), inclusive of the ordinances which go with them, used BRANOröl 32/10 is a hazardous waste. It can be supplied to suitable facilities for energy utilisation or disposal.

■ Depreservation

Before pouring in operating oil, let small amount of BRANOröl drain. The cleaning of metal surfaces moistened with BRANOröl is possible with all usual cleaning and degreasing processes.

The information given is in line with current state of knowledge. It's non-binding and might have to be adjusted to meet local requirements. No liability is accepted for this information. Please contact us in case of doubt.

You will find more information at
www.branopac.com

■ Technical Details

Density at + 20°C: 0,91 g/cm³

Flash point: > 180 °C

Neutralisation number: about 15

Kinetic viscosity at + 40°C: 48 mm²/s

This is for the standard type of BRANOröl 32/10. Other viscosity on request.

■ Storage

Do not store in blazing sun; always keep containers closed.

Durability:

<u>Receptacles</u>	<u>original locked</u>	<u>after advent</u>
Steel drums (200l)	unlimited	12 months
plastic jerry-cans	24 months	6 months

■ Compatibility

Compatibility test is recommended for varnishes and plastics.

Rubber: different kinds of rubbers, which are resistant to mineral oil, such as engine oil, gear oil and hydraulic oil, are also resistant to BRANOröl. The swelling caused by BRANOröl might be slightly stronger.

Other operating fluids: can be mixed with mineral oil-based lubricating oil and operating oil (important while draining BRANOröl and to fill it up with operating fluids afterwards. It is advisable not to add any BRANOröl additives to operating oil because their specification values might change.)

Not or only partially mixable with synthetic oil.

Not mixable with non-flammable hydraulic oil (glycol-water mixture).



BRANOPAC
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