

MOTOROL RUSTORIN 111

RUST PREVENTIVE OIL

Introduction:

Motorol Rustorin 111(RP) is a base oil based, corrosion preventive oil blended with surface active agent and select additives. The fluid can be directly applied to water wet surface where they displace water and form uniform continuous oily film.

Applications:

Motorol Rustorin 111 is applied either by dipping or spraying or by a brush. It is used for protection during storage of machined components, sheet coil, strip bar, extruded steel, stock spares, exposed gearing, conveyors wire ropes and machine tools. Usual precautions with a solvent-based product should be taken while using the product. The protective thin film can be easily removed by organic solvent, alkaline cleaners or mechanical treatments. This fluid has wide variety of application.

Advantages:

- ◆ Excellent water displacing property
- ◆ coats the metal surface with a thin, oily and non drying protective film
- ◆ Good compatible with metal working lubricants
- ◆ Provides adequate lubricity for mild pressing operations
- ◆ Good protection for long periods
- ◆ No film breakdown due to exposure to light.
- ◆ When the metallic component is dipped, the water adhering to the metal surface gets dislodged by a extremely thin film of the product.
- ◆ Very little odour due to its low aromatic compound content.
- ◆ Improvement to operators health due to almost no carcinogenic compounds as polycyclic aromatic hydrocarbons present in the oil.

Performance Standard:

Motorol Rustorin 111 meets ISO 6743-8, BS 7541-1992 and IS 1154-2000 Specifications.

Typical Specifications:

Characteristics	Test Method	111
Appearance	Visual	Dark Brown
Kinematic Viscosity at 40 °C (cSt)	ASTM D445	32
Sp Gravity at 29.5 °C	ASTM D1298	0.85
Flash Point °C, Min	ASTM D92	180
Water displacement test	IS 1154	Pass
Copper Corrosion 3 Hrs at 100°C, Max	ASTM D130	1A
Corrosion Protection Indoor	Manual	12
Outdoor		3
Average Film Thickness Measured by Weight (µm)	-	1
Salt Fog (Average hours to failure)	ASTM B117	28 (P) 18 (M)
Humidity Cabinet (Average hours to failure)	ASTM D1748	420
(P) - polished test surface		
(M) - matte test surface		

Environment, Health & Safety:

Every care has been taken to ensure the accuracy of the information in this PDS. This however may be affected by subsequent improvement in product (R&D). MSDS is available for all MOTOROL products on request. MOTOROL products are unlikely to present any health and safety hazard with proper use for the correct application and maintain proper personal hygiene. Do not spill oils on the shop floor, discharge into drains, ground or water sources.