



**CIRCUIT BREAKER OIL
MOTOROL HYDROFLUID - 001**



Introduction:

MOTOROL HYDROFLUID 001 is a special product manufactured from low pour point and high viscosity index base oil with low moisture and good di-electric strength.

Applications:

- ◆ It is used in 132 KV switchgear Circuit Breakers.

Advantages:

- ◆ Good di electric strength.
- ◆ Excellent oxidation & chemical stability
- ◆ Low moisture content & non corrosive
- ◆ Low pour point ensuring fluidity at low temperature
- ◆ Low carbon foaming during arcing
- ◆ Low acidity & sulphur content
- ◆ High viscosity index for good fluidity at low as well as high temperature

Performance Standard:

Proprietary grade

Typical Specifications:

Sr. No.	Characteristics	Test Methods	Typ. Value
1	Colour	Visual	Red
2	Kinematic Viscosity at 50°C, cSt	ASTM D 445	11
3	Kinematic Viscosity at 0°C, cSt	ASTM D 445	45
4	Flash Point, °C Min	ASTM D 93	140
5	Pour Point, °C Max	ASTM D 97	-20
6	Copper corrosion at 100°C for 3 hrs.	ASTM D 130	Passes
7	Total Acid No., mg KOH/g Max	ASTM D 974	0.05
8	Free Sulphur	-	Traces
9	Water Content, ppm Max	IS 13567	25
10	Di electric strength, kV Min	IS 6792	50
11	Cracking Test	-	Passes

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.