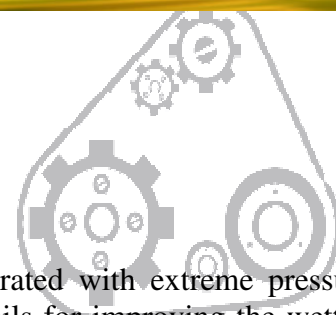




WIRE DRAWING OIL
Motorol Rindraw



Introduction:

MOTOROL Rindraw oil is specially formulated from selected base oils and is incorporated with extreme pressure, anti-oxidant and anti-rust additives. This oil is further fortified with special grade fatty oils for improving the wetting characteristics during metal drawing operation.

Applications:

MOTOROL Rindraw oil is mainly used in aluminium and brass wire drawing. This oil is also used in drawing of ferrous wire and fine steel wire. Its main application is during bar drawing, tube drawing, hot deep drawing and cold deep drawing. For manufacturing of metal articles, metal sheets are pressed into suitable dies for obtaining various shapes. This process of drawing metal often needs to be carried out in many stages and must have adequate lubrication to reduce wear and tear of dye's or formers.

Advantages:

- ◆ Reduce friction between oil and metal thereby giving longer life to the die.
- ◆ Do not cause strain on metal.
- ◆ Good anti rust and anti corrosive property to ensure good quality of metal after drawing.
- ◆ Good heat dissipation property.
- ◆ Good adhesion to the metal.

Performance Standard:

Proprietary grade

Typical Specifications:

Sr. No.	Characteristics	Test Methods	270 A	270 B
1	Colour, Max	ASTM D 1500	0.5	1
2	Kinematic Viscosity at 40 °C, cSt	ASTM D 445	-	220-260
3	Viscosity at 27°C, Poise	ASTM D 445	540	-
4	Flash point, °C Min	ASTM D 92	-	170
5	Copper Corrosion at 100°C for 3 Hrs.	ASTM D 130	Passes	Passes
6	Density at 27 °C, g/cc	ASTM D 1298	1.510	1.180
7	Aniline Point, °C Min	ASTM D 611	-	40

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.