

PRODUCT DATA SHEET



HEAT TRANSFER OIL

MOTOROL HEATRAN - Semi Synthetic

Introduction:

MOTOROL Heatran grades are manufactured by using semi synthetic base oil and high quality additives designed to cover a broad range of heat transfer applications.

Applications:

MOTOROL Heatran oils widely used in close circulating heating system in textile, pharmaceutical and many other processing industries.

Advantages:

• Excellent oxidation and chemical stability

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- Good heat transfer properties
- Low volatility to avoid losses
- Non corrosive and non toxic
- High flash and fire point

Performance Standard:

Proprietary Grade

| Sr. No. | Characteristics | Test Methods | MEDIUM | HEAVY |
|------------|---|----------------|---------------|---------------|
| 1 | Appearance | VISUAL | Clear Liquid | Clear Liquid |
| 2 | Colour (ASTM), Max | ASTM D-1500 | 2.0 | 2.0 |
| 3 | Kinematic Viscosity at 40 °C, cSt | ASTM D-445 | 28 - 35 | 41 - 50 |
| 4 | Flash point °C, Min | ASTM D-92 | 210 | 220 |
| 5 | Pour point °C, Max | ASTM D-97 | (-) 12 | (-) 15 |
| 6 | Copper corrosion at 100°C for 3 Hrs. | ASTM D-130 | 1A | 1A |
| 7 | Neutralization Value mgKOH/g, Max | ASTM D-974 | 0.05 | 0.05 |
| 8 | Thermal Conductivity, kcal/mh°C At 100°C At 300°C | ASTM D-2717-95 | 0.11 0.104 | 0.12 0.106 |
| 9 | Specific Heat, cal/gm°C At 200°C At 300°C | ASTM D-3947-92 | 0.61 0.65 | 0.61 0.65 |
| 10 | Vapour Pressure, mm Hg At 150°C At 200°C | ASTM D 5191-13 | 0.1 0.15 | 0.1 0.15 |

Typical Specifications:

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.



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