

# DS100

## TECHNICAL DATA SHEET

### Specification & Properties

Typical Properties	Unit	Test Method	Specification	Typical Value
Color (APHA)	–	ASTM D1209	Max 20	10
Kinematic Viscosity(100°C)	cSt	ASTM D445	95 ~ 105	100
Kinematic Viscosity(40°C)	cSt	ASTM D445	Report	1,290
Flash Point (COC)	°C	ASTM D92	Min 265	270
Pour Point	°C	ASTM D6749	Max -24	-33
Specific Gravity, at 15/4°C	–	ASTM D4052	Report	0.84
Total Acid Number	mgKOH/g	ASTM D974	Max 0.1	< 0.01
Water	Wt-ppm	ASTM D664	Max 50	< 30

### Characteristics

- Water-White Color (Clear Transparent Liquid)
- Excellent Thickening Efficiency
- Excellent Stability of Oxidant
- Superior Shear Stability
- Low Pour Points & Superior Viscosity Index(VI)
- Superior Seal Compatibility
- Non-Staining Characteristics (non-corrosive)
- Excellent Electrical Insulating Properties
- No Residue
- Non Odor & Non-Toxic

#### Important Notice to User

The result on this technical data are reliable under the limited conditions and methods mentioned. It should be needed the user to get suitability for commercial use.

## Applications

- Lubricant Oil Additive (Viscosity Modifier)
  - Engine Oils
  - Gear Oils
  - Hydraulic fluids
  - Compressor Oils
- Greases
- Polymer · Rubber Modifier (Property Improver)
  - Automotive
  - Appliances
  - Wires & Cable

## Cautions and Recommendations

### Health and Safety Information

For safe handling information on this product, consult the Material Safety Data Sheets (MSDS)

### Handling

- Wear protective gloves / protective clothing / eye protection / face protection
- Maintain below flash point, protect to leak of liquid or vapor
- Keep away from open flames, shut off the production of source of ignition (electricity/electricity sparks/heat/material of high-temperature)
- Ground/bond all container and receiving equipment, use equipment of prevention of explosion.
- Do not breathe vapor or mist when using this material. Avoid prolonged or repeated contact with skin. Avoid contact with eyes
- Empty containers may contain harmful, flammable/combustible or explosive residue or vapors
- Wash thoroughly after handling

### Storage

- Keep container tightly closed in a cool, well-ventilated place.
- Keep container tightly closed before use.
- Avoid contact with incompatible materials.
- Keep away from heat, sparks, open flames, source of ignition.
- Suitable storage materials : mild steel/ carbon steel

### Visit Our Website

For the most direct access to local sales and technical support visit:

[www.dlchemical.co.kr](http://www.dlchemical.co.kr)

---

The information is to our best present knowledge correct and complete and is given in good faith but without warranty. This information is supplied for informational purposes only, and without any guarantee or warranty, expressed or implied, regarding its accuracy, correctness, or completeness. This information only concerns the above-mentioned product and does not need to be valid if used with other(s) or in any process. It remains the user's own responsibility to make sure that the information is appropriate and sufficiently complete for their particular use of this product. It is the sole responsibility of the customer to determine whether the product is appropriate and suitable for the customer's specific use. The applicable Material Safety Data Sheet should be reviewed by customer before handling the DL Chemical Co., Ltd. product. This information is believed to be accurate as of the date of publication.

Copyright ©2021 DL Chemical Co., Ltd. All Right Reserved.