

## TECHNICAL DATA SHEET

### AD-7200 Fluorinated Engineering Fluid

#### Description and Applications

AD-7200 Fluorinated Engineered Fluid, ethoxy-nonafluorobutane (C<sub>4</sub>F<sub>9</sub>OC<sub>2</sub>H<sub>5</sub>), is clear, colorless, nonflammable, chemically inert and thermally stable. AD-7200 is intended for the following suggested industrial and electronic applications: Cleaning and rinsing agent (heavy oils, grease, fluxes, waxes, surface contaminate debris and fluoropolymers; heat transfer fluid; lubricant fluid; specialty solvent; and dielectric test media.

#### Physical Properties

| Properties                      | AD-7200 Value          |
|---------------------------------|------------------------|
| Average Molecular Weight        | 264 g/mol              |
| Boiling Point                   | 76°C                   |
| Pour Point                      | -138°C                 |
| Calculated Critical Temperature | 210°C                  |
| Vapor Pressure                  | 16 kPa                 |
| Liquid Density (25°C)           | 1430 kg/m <sup>3</sup> |
| Kinematic Viscosity             | 0.41cSt                |
| Absolute Viscosity              | 0.6 cP                 |
| Surface Tension                 | 13.6 mN/m              |
| Dielectric Strength             | >40 kV                 |
| Dielectric Constant@1kHz        | 7.3                    |
| volume resistivity              | 10 <sup>8</sup> Ohm-cm |
| Solubility of Solvent in Water  | < 20 ppm               |
| Solubility of Water in Solvent  | 92 ppm                 |
| Ozone Depletion Potential       | 0                      |
| Global Warming Potential        | 59                     |

#### Compatibility

AD-7200 is compatible with most metals and hard polymers. Soft and elastomeric materials should be limited to compounds that contain the least amount of extractable plasticizer. As with most fluorinated fluids, AD-7200 fluid will absorb into fluorinated plastics and elastomers over longer exposures.

#### Packing

5kgs/can                   (Drum capacity: 4L)  
 20kgs/Pail               (Drum capacity: 15L)  
 250kgs/Drum           (Drum capacity: 200L)

### Storage

Conditions for safe storage including any incompatibilities Store away from acids. Store away from strong bases. Store away from oxidizing agents.