

# SynPlast™ DOS-N

Di (2-ethylhexyl) Sebacate

PolyOne Corporation

## Message:

Branched C8 sebacate ester

| General Information           |                           |                   |             |
|-------------------------------|---------------------------|-------------------|-------------|
| Features                      | Good Processability       |                   |             |
|                               | Low Temperature Resistant |                   |             |
| Uses                          | Adhesives                 |                   |             |
|                               | Appliance Components      |                   |             |
|                               | Appliances                |                   |             |
|                               | Cable Jacketing           |                   |             |
|                               | Gaskets                   |                   |             |
|                               | Wire & Cable Applications |                   |             |
| Appearance                    | Clear/Transparent         |                   |             |
| Forms                         | Liquid                    |                   |             |
| Processing Method             | Compounding               |                   |             |
|                               | Plastisol                 |                   |             |
| Physical                      | Nominal Value             | Unit              | Test Method |
| Specific Gravity <sup>1</sup> | 0.908 to 0.914            | g/cm <sup>3</sup> | ASTM D4052  |
| Acid Number - Maximum         | 0.10                      | mg KOH/g          | ASTM D1045  |
| Appearance                    | Clear, clean              |                   | ASTM D2090  |
| Color <sup>2</sup>            | 50                        |                   | ASTM D1209  |
| Ester Content - Minimum       | 99                        | %                 | ASTM D3465  |
| Molecular Weight <sup>3</sup> | 427                       |                   |             |
| Vapor Pressure (200°C)        | 0.00440                   | MPa               |             |
| Viscosity - Kinematic         |                           |                   | ASTM D445   |
| 25°C <sup>4</sup>             | 18.9                      | cSt               |             |
| 40°C <sup>5</sup>             | 11.6                      | cSt               |             |
| 100°C <sup>6</sup>            | 3.20                      | cSt               |             |
| Water Content - Maximum       | 1000                      | ppm               | ASTM D1533  |
| Pour Point                    | -63                       | °C                |             |
| Refractive Index (25°C)       | 1.4500                    |                   |             |
| NOTE                          |                           |                   |             |
| 1.                            | 25/25°C                   |                   |             |
| 2.                            | Pt-Co Scale, Maximum      |                   |             |

|    |             |
|----|-------------|
| 3. | Theoretical |
| 4. | 25 C        |
| 5. | 40 C        |
| 6. | 100 C       |

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