

## LG Chemical Acetone

Category : Fluid

### Material Notes:

Overview: Acetone is the raw material of MMA(Methyl Metha Acrylate), BPA, ascorbic acid (Vitamin C), etc. In addition, acetone is widely used as solvents for synthetic resins, rubber, oil paper and paints, as well as for acetyl cellulose, nitro cellulose, etc. By applying the cumene process, LG Petrochemical produces acetone and phenol by using benzene and propylene as raw materials. Acetone is a colorless liquid with a distinct smell and is inflammable due to its low boiling point. CAS: 67-64-1 Information provided by LG Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LG-Chemical-Acetone.php](http://www.lookpolymers.com/polymer_LG-Chemical-Acetone.php)

| Physical Properties | Metric                 | English               | Comments |
|---------------------|------------------------|-----------------------|----------|
| Specific Gravity    | 0.791 - 0.793 g/cc     | 0.791 - 0.793 g/cc    |          |
| Viscosity           | 0.256 cP               | 0.256 cP              |          |
|                     | @Temperature 50.0 Å°C  | @Temperature 122 Å°F  |          |
|                     | 0.33 cP                | 0.33 cP               | Dynamic  |
|                     | @Temperature 20.0 Å°C  | @Temperature 68.0 Å°F |          |
|                     | 0.331 cP               | 0.331 cP              |          |
|                     | @Temperature 20.0 Å°C  | @Temperature 68.0 Å°F |          |
|                     | 0.401 cP               | 0.401 cP              |          |
|                     | @Temperature 0.000 Å°C | @Temperature 32.0 Å°F |          |
| Molecular Weight    | 58.08 g/mol            | 58.08 g/mol           |          |
| Vapor Pressure      | 0.0923 bar             | 69.2 torr             |          |
|                     | @Temperature 0.000 Å°C | @Temperature 32.0 Å°F |          |
|                     | 0.241 bar              | 181 torr              |          |
|                     | @Temperature 20.0 Å°C  | @Temperature 68.0 Å°F |          |
|                     | 0.3766 bar             | 282.5 torr            |          |
|                     | @Temperature 30.0 Å°C  | @Temperature 86.0 Å°F |          |
|                     | 0.5606 bar             | 420.5 torr            |          |
|                     | @Temperature 40.0 Å°C  | @Temperature 104 Å°F  |          |

| Physical Properties | Metric | English | Comments |
|---------------------|--------|---------|----------|
|---------------------|--------|---------|----------|

| Thermal Properties   | Metric                              | English                               | Comments |
|----------------------|-------------------------------------|---------------------------------------|----------|
| Heat of Fusion       | 96.0 J/g                            | 41.3 BTU/lb                           |          |
| Heat of Vaporization | 512000 J/g<br>@Temperature 56.1 Â°C | 220000 BTU/lb<br>@Temperature 133 Â°F |          |
| CTE, linear          | 0.00140 Âµm/m-Â°C                   | 0.000778 Âµin/in-Â°F                  |          |
| Thermal Conductivity | 0.160 W/m-K                         | 1.11 BTU-in/hr-ftÂ²-Â°F               |          |
| Melting Point        | -95.35 Â°C                          | -139.6 Â°F                            |          |
| Boiling Point        | 56.2 Â°C                            | 133 Â°F                               |          |
| Flash Point          | -20.0 Â°C                           | -4.00 Â°F                             | TOC      |
|                      | -9.00 Â°C                           | 15.8 Â°F                              | CC       |

| Optical Properties | Metric | English | Comments |
|--------------------|--------|---------|----------|
| Refractive Index   | 1.359  | 1.359   |          |

| Electrical Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
| Dielectric Constant   | 21.4   | 21.4    |          |

| Descriptive Properties   | Value        | Comments  |
|--------------------------|--------------|-----------|
| Acidity                  | <20 ppm      |           |
| Autoignition Temperature | ASTM D2155   |           |
| Color                    | <5 Pt/Co     |           |
|                          | Clear liquid |           |
| Components               | Nonvolatiles | <10 ppm   |
|                          | water        | <3000 ppm |
| Explosion limit          | 2.15-13%     | 25Â°C     |
| Heat of Combustion       | 7362 cal/g   |           |
| Ignition Point           | 456Â°C       |           |
| Permanganate Test        | 150 minutes  |           |

| Descriptive Properties   | Value   | Comments |
|--------------------------|---------|----------|
| Total Distillation Range | <0.8Â°C |          |

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