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## Typical Product Specifications & Properties

# 3-mercapto-2-pentanone

CAS Number: : 67633-97-0

| Specifications   | Limits                                              |
|------------------|-----------------------------------------------------|
| Appearance       | colorless to pale yellow clear liquid               |
| Assay            | 98.00 to 100.00 %                                   |
| Specific gravity | 0.98800 to 0.99800 @ 20.00 °C                       |
| Refractive Index | 1.41400 to 1.42400 @ 20.00 °C                       |
| Boiling Point    | 160.00 to 165.00 °C. @ 760.00 mm Hg                 |
| Boiling Point    | 57.00 °C. @ 15.00 mm Hg                             |
| Vapor Pressure   | 2.740000 mm/Hg @ 25.00 °C                           |
| Vapor Density    | 4.1                                                 |
| Flash Point      | 122.00 °F.TCC                                       |
| logP (o/w)       | 1.20                                                |
| Odor Type        | sulfurous                                           |
| Odor             | sulfurous metallic roasted onion horseradish potato |



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| Specifications     | Limits                                                                             |
|--------------------|------------------------------------------------------------------------------------|
| Pounds/Gallon      | 8.231 to 8.314                                                                     |
| Taste              | Intense alliaceous, sulfurous, onion with full bodied savory notes of roasted meat |
| Insolubility       | in water                                                                           |
| Molecular weight   | 118.2                                                                              |
| Color              | colorless to pale yellow liquid                                                    |
| Solubility         | most org. solvs.                                                                   |
| Chemical Structure |                                                                                    |



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