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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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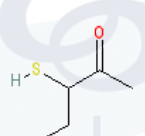
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Specifications	Limits
Pounds/Gallon	8.231 to 8.314
Taste	Intense alliaceous, sulfurous, onion with full bodied savory notes of roasted meat
Insolubility	in water
Molecular weight	118.2
Color	colorless to pale yellow liquid
Solubility	most org. solvs.
Chemical Structure	 <p>The chemical structure shows a three-carbon chain. The first carbon is part of an aldehyde group (CHO). The second carbon is bonded to a hydrogen atom and a sulfur atom. The sulfur atom is bonded to a hydrogen atom and a propyl group (three-carbon chain). The third carbon is part of the propyl group.</p> <p><b>parchem</b> fine &amp; specialty chemicals</p>



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