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Typical Product Specifications & Properties

2,3-Butanedione

CAS Number: : 431-03-8

Specifications	Limits
Molecular weight	86.09
EINECS	207-069-8
InChI	1S/C4H6O2/c1-3(5)4(2)6/h1-2H3
InChIKey	QSJXEFYPDANLFS-UHFFFAOYSAN
Vapor Density	3
Flash Point	45 °F
Merck	14,2966
Storage Temperature	2-8°C
Water solubility	200 g/L (20 °C)
Boiling Point	88 °C
Refractive Index	1.394
FEMA	2370



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Specifications	Limits
Melting Point	-4-2 °C
Stability	Stable. Flammable. Incompatible with acids, strong bases, metals, reducing agents, oxidizing agents. Protect from moisture and water. Note low flashpoint.
Vapor Pressure	52.2 mm Hg (20 °C)
BRN Number	605398
Density	0.985 g/mL at 20 °C
Boiling Point	88 ° C
Vapor Pressure	56.8 mm Hg
Atmospheric OH Rate Constant	2.38E-13 cm ³ /molecule-sec
Water solubility	2.00E+05 mg/L
Henry's Law Constant	1.33E-05 atm-m ³ /mole
log P (octanol-water)	-1.34E+00
Melting Point	-2.40E+00 ° C



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Specifications	Limits
Solubility	200g/l
Form	Liquid
Color	Clear yellow



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