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## Typical Product Specifications & Properties

# 2-Ethylhexyl Nitrate

CAS Number : 27247-96-7

Specifications	Limits
Density	0.96 g/ml @ 20°C
Vapor Pressure	@ 40°C : 40-53 Pa
Odor	Fruity, pungent, ester, characteristic
Molecular weight	175.23
Flash Point	Greater than 70°C (closed-cup)
Freezing Point	Less than -45°C
Boiling Point	Greater than 100°C (decomposes)
Vapor Pressure	@ 20°C : 27 Pa
Vapor Pressure	@ 82°C : 1.33 kPa
Lower Explosive Limit	0.25% v/v in air
Heat of Vaporization	368 kJ/kg
Auto/Self Ignition Temperature	130°C (decomposes)



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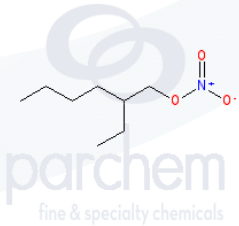
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Specifications	Limits
Log Pow	3.74 (calculated), 4.14 (iso-octyl nitrate)
Kinematic viscosity	108 cSt @ 20°C
Solubility in water	12.6 mg/L @ 20°C
Decomposition temperature	Greater than 100°C
Appearance	Colorless to pale yellow liquid
Coefficient of Thermal Expansion	1.010 (between 10°C and 20°C at atmospheric pressure)
Chemical Structure	



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