



>>Entry Name: Isopropyl nitrate

Synonym(s): 1-Methylethyl nitrate, 9CI

CAS Registry Number: 1712-64-7

$(\text{H}_3\text{C})_2\text{CHONO}_2$

Molecular Formula: $\text{C}_3\text{H}_7\text{NO}_3$

Molecular Weight: 105.093

Accurate Mass: 105.042594

Percentage Composition: C 34.29%; H 6.71%; N 13.33%; O 45.67%

Boiling Point: Bp 101-102°

Density: d^{19}_4 1.036

Refractive Index: n^{16}_D 1.3912

Hazard & Toxicity: Dec. explosively on heating or shock. Highly flammable, fl. p. 11°/20°, autoignition temp. 175°. Skin irritant inhalation can cause methaemoglobinaemia and cyanosis

Aldrich: 24195-4

Fluka: 59640

References:

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Wittek, H., *Z. Phys. Chem., Abt. B*, 1942, **52**, 153

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