



>>Entry Name: Ethyl nitrate, 9CI

CAS Registry Number: 625-58-1
EtONO₂

Molecular Formula: C₂H₅NO₃

Molecular Weight: 91.066

Accurate Mass: 91.026944

Percentage Composition: C 26.38%; H 5.53%; N 15.38%; O 52.71%

Melting Point: Mp -112°

Boiling Point: Bp 87.5-87.7°

Solubility: Sol. H₂O

Density: d₄²⁵ 1.004

Hazard & Toxicity: Highly flammable, fl. p. 10°. Mod. toxic. Explosive when heated or shocked. LD₅₀ (cat, ipr) 300 mg/kg

References:

Fraser, R.T.M. *et al.*, *J.C.S.(B)*, 1968, 1407, (*ms*)

Eremenko, L.T. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1972, 2424, (*ir*)

Olah, G.A. *et al.*, *Synthesis*, 1978, 452, (*synth*)

Bretherick, L., *Handbook of Reactive Chemical Hazards*, 4th edn., Butterworths, 1990, 0817

Luxon, S.G., *Hazards in the Chemical Laboratory*, 5th edn., Royal Society of Chemistry, 1992, 612

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