



>>Entry Name: Ethyl formate, 9CI

ENTRY UNDER REVIEW

CAS Registry Number: 109-94-4

HCOOEt

Molecular Formula: C₃H₆O₂

Molecular Weight: 74.079

Accurate Mass: 74.03678

Percentage Composition: C 48.64%; H 8.16%; O 43.20%

Biological Source: Found in various foods, e.g. cooked apple, orange juice, pineapple, other fruits, raw cabbage, coffee, black tea, wheat bread, white clover, sorghum and cigarette smoke

Use/Importance: Used as a flavour, solvent, in organic synthesis, and in the manuf. of fungicides.

Physical Description: Mobile, flammable liq. with pleasant aroma.

Solubility: Misc. EtOH, Et₂O, C₆H₆, spar. sol. in and gradually hyd. by H₂O

Density: d₂₀ 0.917

Refractive Index: n_D²⁰ 1.3598

Hazard & Toxicity: Extremely flammable, fl. p.-20°, autoignition temp. 440/455°. Eye, skin and respiratory skin irritant, high vapour conc. narcotic. LD₅₀ (rat, oral) 1850 mg/kg. OES: long-term 100 ppm; short-term 150 ppm

Aldrich: 11268-2

Fluka: 6480

Sigma: F7009

References:

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