



>>Acetic anhydride, 9CI

DFR94-Z

[108-24-7]

Classification:WC0100

$\text{H}_3\text{CCO-O-COCH}_3$

$\text{C}_4\text{H}_6\text{O}_3$ M 102.09. 102.031695. C 47.06%; H 5.92%; O 47.02%

Reportedly found in watercress *Nasturtium officinale*. Acetylating agent for lab. use and in manuf. of cellulose acetate (rayons) etc. Solvent.. Liq. with pungent, irritating odour. Spar. sol. H_2O , sol. org. solvs.. d_4^{15} 1.085. Mp – 73°. Bp 139.55°. Bp₁₅ 44°. Aq. soln. reacts neutral and is very slowly hyd. to acetic acid.

♦ Flammable, fl. p. 49°, autoignition temp. 316/390°. Reacts violently with some oxidants. Acid-catalysed hydrolysis can be violent. Vapour is a severe irritant of eyes, mucous membranes and skin. Contact with liq. causes burns and blisters of the skin, and can damage eyes. OES: short-term 5 ppm. AK1925000.

Supplier: Aldrich:32010-2. Fluka:45840. Sigma:A6404. Supelco:R40-4010

[16649-49-3]

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