>>**Entry Name: Methylcarbamic acid,** 9CI
Synonym(s): Methylaminoformic acid

Related CAS Registry Numbers(s): 8065-36-9
MeNHCOOH

Molecular Formula: $C_2H_5NO_2$
Molecular Weight: 75.067
Accurate Mass: 75.032029
Percentage Composition: C 32.00%; H 6.71%; N 18.66%; O 42.63%

Use/Importance: Many aryl esters used as herbicides and pesticides. Some are listed below; the more important ones have individual entries

>>**Derivative:** Methylamine salt

Physical Description: Cryst.
Melting Point: Mp 105°
Solubility: V. sol. H_2O
Other Data: Heat at 170° → dimethylurea

>>**Derivative:** Et ester
Synonym(s): Ethyl methylcarbamate, 9CI. Ethyl methylaminoformate. Methylurethane

CAS Registry Number: 105-40-8
Molecular Formula: $C_4H_9NO_2$
Molecular Weight: 103.121
Accurate Mass: 103.063329
Percentage Composition: C 46.59%; H 8.80%; N 13.58%; O 31.03%
Boiling Point: Bp 170°. Bp_{15} 80°
Hazard & Toxicity: Narcotic. Exp. teratogen

>>**Derivative:** Et ester, *N*-nitroso

CAS Registry Number: 615-53-2
Molecular Formula: $C_4H_8N_2O_3$
Molecular Weight: 132.119
Accurate Mass: 132.053493
Percentage Composition: C 36.36%; H 6.10%; N 21.20%; O 36.33%
Physical Description: Orange liq.
Boiling Point: Bp 65-65.5°
Solubility: Spar. sol. H_2O
Hazard & Toxicity: Exp. transplacental carcinogen and teratogen

>>**Derivative:** Ph ester
Synonym(s): Phenyl methylcarbamate. Phenmec

CAS Registry Number: 1943-79-9
Biological Use/Importance: Insecticide
Melting Point: Mp 86°. Mp 111-112°

>>**Derivative:** 3,4-Dimethylphenyl ester

>>**Derivative:** 3,5-Dimethylphenyl ester

>>**Derivative:** 3,5-Diethylphenyl ester
Synonym(s): 3,5-Diethylphenyl methylcarbamate. Fenethacarb, BSI, ISO