

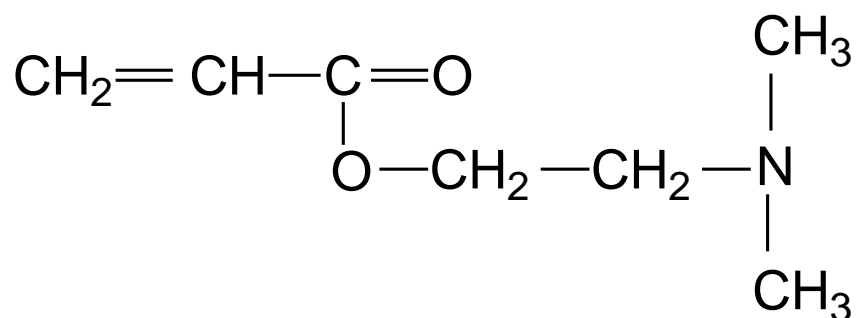
DIMETHYLAMINOETHYL ACRYLATE (ADAME)

Acrylic acid, 2-(dimethylamino)ethyl ester
2-propenoic acid, 2-(dimethylamino)ethyl ester

Cas number: 2439-35-2

EINECS number: 219-460-0

CHEMICAL FORMULA



Molecular weight: 143

SPECIFICATIONS

	SPECIFICATION	METHOD
Appearance	Clear liquid	Visual
Colour (APHA)	100 maximum	ASTM D1209
Purity	99 % minimum	Gas Chromatography
Water content	2000 ppm maximum	ASTM D1364
Inhibitor content (MEHQ)	750 to 850 ppm	UV Spectroscopy
Polymer test	Negative	Turbidity test

HANDLING AND SAFETY ADVISES

We advise you to read carefully the safety data sheet.

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MAIN PHYSICAL PROPERTIES

Molecular weight..... 143
Boiling point, at 1013 mbar172.8 °C
Freezing point..... - 80 °C
Specific gravity at 20°C 0.938
Refractive index, n_D at 20°C 1.438
Viscosity at 20°C..... 1.37 mPa.s
Solubility
water in ADAME at 20°C infinite
(hydrolysis)
ADAME in water at 20°C infinite
(hydrolysis)
Specific heat in liquid state1.96 KJ/kg °C
Latent heat of vaporisation310 KJ/kg
Heat of polymerisation519 KJ/kg
Flash point in closed cup.....60.5 °C
Lower explosion limit in volume..... 1.3 %
Vapour pressure at 20°C 1.36 mbar
Auto-ignition temperature195 °C

PACKAGING

DIMETHYL AMINO ETHYL ACRYLATE is delivered in:
- in 25000 to 36000 liters stainless steel road tankcars
- in 25000 to 35000 liters stainless steel containers

STORAGE

The standard inhibition is 800 ppm Monomethyl Ether of Hydroquinone (MEHQ).

With this inhibitor, the product should be stored at a temperature of no more than 25°C and away from light.

It must also be stored under air atmosphere, as the presence of oxygen is essential to activate the stabiliser.

The colour increases with the temperature and to keep a water white colour we recommend to store ADAME at a temperature below 5°C.

APPLICATIONS

ADAME is used in the composition of many industrial products, including hydrosoluble agents for dispersants, thickeners and flocculating agents.

Under these conditions, the product is commercially guaranteed for one month after delivery.

ACRYLIC MONOMERS BU/V4/12.23

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