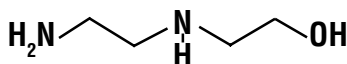




Aminoethylethanolamine (AEEA)

CAS #000111-41-1, 2-[(2-aminoethyl)amino]-ethanol)

Aminoethylethanolamine (AEEA)



AEEA

Aminoethylethanolamine (CAS #000111-41-1, 2-[(2-aminoethyl)amino]-ethanol) is a single-component product, with minimal ethylenediamine impurity. It typically has an ammonia-like odor and is water-soluble, clear, colorless, and slightly viscous.

Applications

- Chelating Agents
- Fabric Softeners
- Lube Oil & Fuel Additives
- Surfactants
- Textile Additives
- Urethane Chemicals

Typical Physical Properties of Aminoethylethanolamine (AEEA)

The data provided for these properties are typical values, and should not be construed as sales specifications.

Property	SI Units
Molecular Weight (Linear component)	104.15
(Typical product)	104.2
Boiling Point @ 760 mm Hg, °C	242.8
Freezing Point, °C	-45
Density, g/ml @ 20°C	1.033
Specific gravity 20°/20°	1.030
Viscosity, cp @ 20°C	140.6
Kinematic viscosity, cst @ 25°C	98
Kinematic viscosity, cst @ 40°C	48.5
Vapor pressure @20°C, mm Hg	<0.01
Specific heat, cal/g °C @ 20°C	0.64
Thermal conductivity, cal/cm-sec-°C @ 20°C	0.00059
Surface tension, dynes/cm @ 20°C	44.8
Coefficient of expansion, 1/°C @ 20°C	0.000789
Refractive index @ 20°C	1.486
Dielectric constant @ 23°C and 1 kHz	19.1
Electrical conductivity, μmhos/cm @ 25°C	0.63
Heat of formation, 25 °C BTU/lb	-1193
Heat of vaporization, @ 760 mm Hg, °C BTU/lb	237
Heat of combustion, BTU/lb 25°C	-12395
pH of 1 wt% solution	11.4
Nitrogen content, wt%	26.9
Amine value, mg KOH/g	1070

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Product Stewardship

The Dow Chemical Company has a fundamental concern for all who make, distribute, and use our family of ethyleneamine products, and the environment we share. This concern is the basis for our Product Stewardship philosophy, by which we assess all available information on our products and then take appropriate steps to protect employee and public health and the environment. In addition, Dow is committed to implementing the guiding principles and management practices of the chemical industry's Responsible Care[†] initiative, which includes Product Stewardship as one of the Management Practices. As part of our Product Stewardship effort, information such

as Material Safety Data Sheets and literature on DOW ethyleneamines are provided to assist customers in handling our ethyleneamine products in a safe and responsible manner. Additional information available for our ethyleneamine customers in two brochures: "Ethyleneamines" and "Ethyleneamines: Safe Storage and Handling."

NOTE: Consult the current Material Safety Data Sheet for safety and handling guidelines for this product.

[†]Service mark of The American Chemistry Council

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