

Agnique® AMD 12

Fatty acid amides (FADMA) are versatile solvents with an excellent record for more than a decade in agrochemical formulations such as EC, EW, and SE. The longer the alkyl chain, the lower the water solubility but also the lower the solvency.

Chemical nature	Fatty acid dimethylamide on the basis of natural, vegetable fatty acids, free of preservatives.
PRD-No.*	30536771 * BASF's commercial product numbers.
Appearance	Agnique® AMD 12 is a clear liquid.

Handling and Storage

Handling	<p>a) The storage temperature of Agnique® AMD 12 should not be allowed to exceed 40 °C.</p> <p>b) Please refer to the latest Safety Data Sheet for detailed information on product safety.</p>
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Shelf life	Agnique® AMD 12 has a shelf life of at least two years in its original packaging, provided it is stored properly.
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Properties

Some physical properties are listed in the table below. These are typical values only and not all of them are monitored on a regular basis. They are correct at the time of publication and do not necessarily form part of the product specification. A detailed product specification is available on request or via BASF's WorldAccount: <https://worldaccount.basf.com> (registered access).

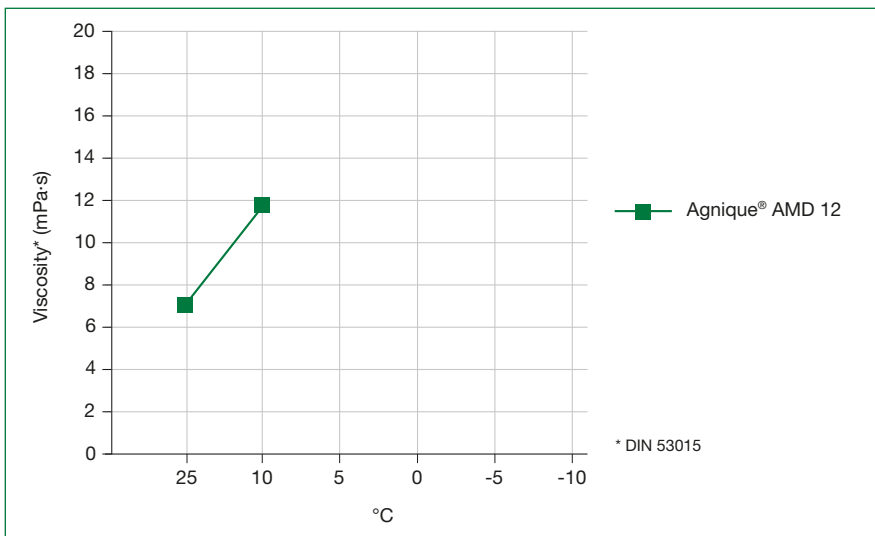
Agnique® AMD 12	Unit	Value
Basis		C ₁₂ -fatty acid
Physical form (25 °C)		clear liquid
Density (DIN 51757, 25 °C)	g/cm ³	0.868
Boiling point	°C	>290
Pour point	°C	approx. 8
Flashpoint (DIN ISO 2592)	°C	>120
Water content (EN 13267)	%	max. 0.5
Acid number (ISO 4314)	mg KOH/g	max. 12
Amin number (8119)	mg KOH/g	max. 1
Color index (DIN ISO 4630)		max. 5
Water solubility		insoluble

Application

Agnique® AMD 12 is the most recent addition to the FADMA product line. For sensitive actives towards the aqueous phase, Agnique® AMD 12 provides a solution as the solvent shows a very low solubility in water. Suitable emulsifiers can be recommended. Please contact us.

Viscosity

The relationship between viscosity and temperature is always an important point to consider when Agnique® AMD 12 is being stored or transported. This is shown in the following graphic chart.



Since the setting point of Agnique® AMD 12 is at 8 °C, a viscosity measuring below 10 °C is not possible.

Solubility

The solubility of Agnique® AMD 12 in different solvents is shown below.

Solubility of Agnique® AMD 12 at 23 °C (vol. % 1:1)

n-Octanol	+
Propylene carbonate	+
Agnique® AE 3-2EH (2-EH lactate)	+
2-Ethylhexyl acetate	+
Agnique® ME 610	+
Agnique® ME 1218	+
Agnique® ME 18 RD-F	+
Agnique® AMD 3 L	+
Agnique® AMD 810	+
Agnique® AMD 10	+
Soybean oil	+

+ = clear soluble
 ± = sparingly soluble (insoluble sediment)
 o = forms an opaque soluble, homogeneous emulsion
 - = insoluble (phase separation)

Safety and Labeling

Please refer to the safety data sheet for information on classification & labeling, safe use, handling and transport.

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