
Technical Information

Agnique[®] AMD 3 L

N,N-Dimethyl lactamide.

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® = Registered trademark of BASF in many countries.

Chemical character N,N-Dimethyl lactamide, free of preservation additives.

PRD-No.* 30537843

* BASF's commercial product numbers.

Appearance At room temperature Agnique® AMD 3 L is a clear, yellowish liquid.

Handling and Storage

Handling

- a) The storage temperature for Agnique® AMD 3 L should not significantly exceed 40 °C, as the color value may increase.
- b) Please refer to the latest Safety Data Sheet for detailed information on product safety.

Shelf life

Provided it is properly stored and drums are kept tightly sealed, Agnique® AMD 3L has a minimum shelf life of two years in its original packaging.

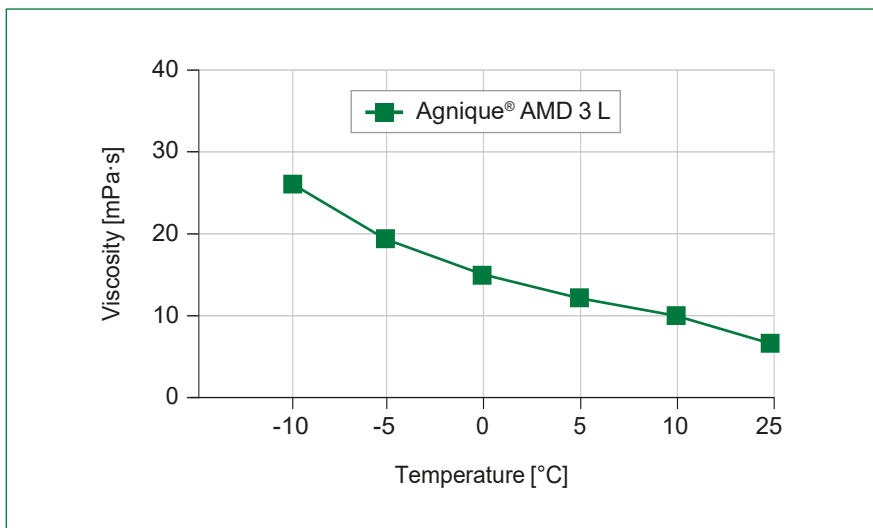
Properties

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 3 L	Unit	Value
Physical form (25 °C)		clear, yellowish liquid
Density (ISO 2811-3, 25 °C)	g/cm ³	1.046
Boiling point (ASTM D1078)	°C	223
Pour point (ISO 3016)	°C	-60
Flash point (DIN EN 22719, ISO 2719)	°C	103
Water content (EN 13267)	%	max. 0.5
Acid value (ISO 4314)	mg KOH/g	max. 1.6
Amine value (9207)	mg KOH/g	max. 1.6
Apha color value (ISO 6271)		max. 400
Solubility		completely miscible with water

Viscosity

The diagram below gives a plot of the temperature against the viscosity. As indicated by the line, Agnique® AMD 3 L remains liquid even at very low temperatures.



Application

In numerous areas of application, Agnique® AMD 3 L possesses excellent properties as a polar, water-soluble solvent, particularly in agrochemical formulations. Agnique® AMD 3 L can be recommended as a safe alternative to NMP since there is no labeling requirement.

Solubility

Agnique® AMD 3 L is miscible with water in each concentration. The solubility of Agnique® AMD 3 L in different solvents is shown below.

Solubility of Agnique® AMD 3 L 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 810	+
Agnique® AMD 10	+
Agnique® AMD 12	+
Soybean oil	-
Distilled water	+

+ = 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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