

Agnique® AMD 810

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-Nos.* | 30537410 * BASF's commercial product numbers. |
| Appearance | Agnique® AMD 810 is a clear liquid. |

Handling and Storage

| | |
|-----------------|---|
| Handling | <p>a) The storage temperature of Agnique® AMD 810 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> |
|-----------------|---|

| | |
|-------------------|--|
| Shelf life | Agnique® AMD 810 has a shelf life of at least two years in its original packaging, provided it is stored properly. |
|-------------------|--|

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).

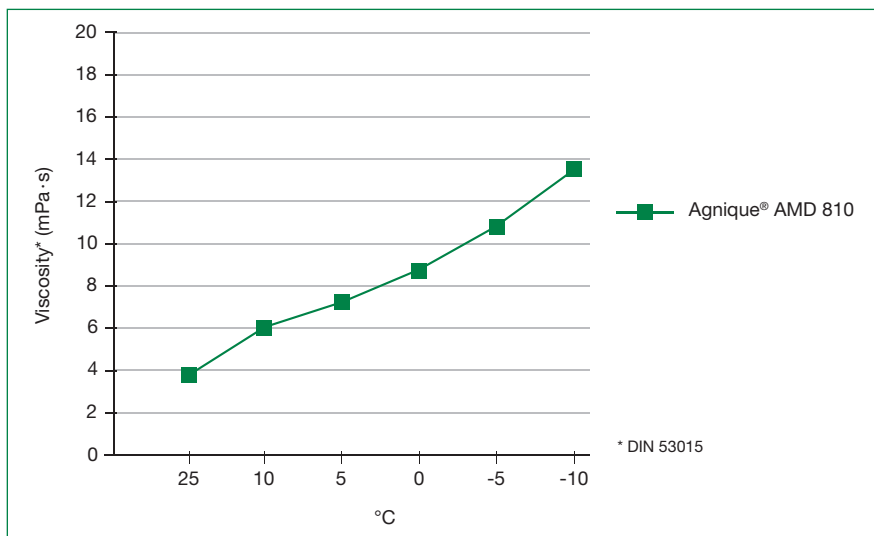
| Agnique® AMD 810 | Unit | Value |
|-------------------------------|-------------------|---|
| Basis | | C ₈ /C ₁₀ -fatty acid |
| Physical form (25 °C) | | clear liquid |
| Density (DIN 51757, 25 °C) | g/cm ³ | 0.88 |
| Boiling point | °C | approx. 274 |
| Pour point | °C | approx. -21 |
| Flashpoint (DIN ISO 2592) | °C | >120 |
| Water content (EN 13267) | % | max. 0.5 |
| Acid number (ISO 4314) | mg KOH/g | max. 6 |
| Amin number (8119) | mg KOH/g | max. 1 |
| Color index (DIN ISO 4630) | | max. 5 |
| Water solubility | | insoluble |

Application

Agnique® AMD 810 is based on a C₈/C₁₀ alkyl mixture and the most flexible solvent among FADMA's with regard to mixtures with other common solvents and solvency power. A variety of hydrophobic actives from different chemical classes can be dissolved to form oil based formulations such as EC, EW, and SE. 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 810 is being stored or transported. This is shown in the following graphic chart.



Solubility

The solubility of Agnique® AMD 810 in different solvents is shown below.

Solubility of Agnique® AMD 810 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 10 | + |
| Agnique® AMD 12 | + |
| 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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