

Title (en)

Aqueous concentrate of at least one alkyl- or alkenyl substituted ammonium compound.

Title (de)

Wasserhaltiges Konzentrat von mindestens einer alkyl- oder alkenylsubstituierten Ammoniumverbindung.

Title (fr)

Concentré aqueux contenant au moins un composé de type alkyl ou alkényl ammonium.

Publication

EP 0499282 B1 19950705 (DE)

Application

EP 92102533 A 19920214

Priority

DE 4104618 A 19910215

Abstract (en)

[origin: US5252257A] The concentrate contains an ammonium compound which carries a longer-chain and a medium-chain substituent on the nitrogen atom, and both the other substituents are either hydrogen atoms, methyl, ethyl or beta -hydroxyethyl. The medium-chain substituent should have half the carbon atoms of the longer-chain substituent or one or two carbon atoms less than half. Instead of an ammonium compound, a mixture of several ammonium compounds can also be present which on average corresponds to the formula described above. In addition to water, the concentrate can also contain 0 to 10% by weight, relative to the total amount of the ammonium compounds, of one or more compounds which are selected from amongst alkali metal salts, ammonium salts, aliphatic amines, alkyl or alkenyl esters or olefins having 6 to 20 carbon atoms. The concentrates have a low viscosity, which makes them easily pumpable, transportable and meterable. They can be diluted without noticeable increase in viscosity and contain virtually no combustible solvents.

IPC 1-7

C11D 1/62; **C11D 3/00**; **D06M 13/46**; **D06M 13/463**

IPC 8 full level

C07C 209/90 (2006.01); **C07C 211/63** (2006.01); **C07C 215/06** (2006.01); **C11D 1/62** (2006.01); **C11D 1/645** (2006.01); **C11D 3/00** (2006.01); **D06M 13/46** (2006.01); **D06M 13/463** (2006.01)

CPC (source: EP US)

C11D 1/62 (2013.01 - EP US); **C11D 1/645** (2013.01 - EP US); **C11D 3/0015** (2013.01 - EP US); **D06M 13/46** (2013.01 - EP US); **D06M 13/463** (2013.01 - EP US)

Citation (examination)

- FR 2391991 A1 19781222 - BAYER AG [DE]
- WO 9005129 A2 19900517 - PPG INDUSTRIES INC [US]
- WO 8500617 A1 19850214 - AKZONA INC [US]
- CHEMICAL ABSTRACTS, vol. 109, no. 26, Dezember 1988, Columbus, Ohio, US; abstract no. 195196,& JP-A-63 260 991 (KAO Corp.)

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DOCDB simple family (application)

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