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AMIDET® APA-22

- Conditioning agent
- Anti-static effect
- Hair care application
- Vegetable origin

CHEMICAL IDENTIFICATION



INCI Name : Behenamidopropyl Dimethylamine

CAS Number : 60270-33-9

TECHNICAL SPECIFICATIONS

		Kao Method
APPEARANCE (20°C) :	White to Light yellow pellets	KCSA-258
ODOUR :	Characteristic	KCSA-267
COLOUR (Gardner) :	5 max.	KCSA-222
ACID VALUE (mg KOH/g) :	4 max.	KCSA-125
TOTAL AMINE VALUE (mg KOH/g) :	128 – 136	KCSA-129



AMIDET® APA-22

TYPICAL PROPERTIES

DRY MATTER (%) :	99 min.
SOLUBILITY IN WATER :	Not Soluble
MELTING POINT (°C) :	75 – 81
ALKYL CHAIN :	Arachyl - Behenyl
CHARACTER :	Non-Ionic (cationic in acidic media)

APPLICATION PROPERTIES

- AMIDET® APA-22 performs as antistatic, softener and conditioner in hair rinse formulations and can also be used as conditioning additive for "2 in 1" shampoos.
- It is compatible with cationic, non-ionic and amphoteric surfactants, and it can be mixed with them in different compositions.
- AMIDET® APA-22 is also compatible with soaps and anionic surfactants. It has been checked that using it as additive (up to 1%) transparent and stable final products can be obtained.
- In spite that AMIDET® APA-22 is not water-soluble as it is, its amidoamine salts (neutralised solutions with acids, like lactic acid) are completely dispersible in water and its appearance is clear and transparent below 0.5% of AMIDET® APA-22.

STORAGE – HANDLING – SHELF LIFE

- AMIDET® APA-22 is chemically stable for a long period of time under appropriate storage conditions (temperature of 25°C and original unopened container). A general advice is to use the complete container every time.
- The shelf life of AMIDET® APA-22 can be considered of 2 years minimum under proper storage conditions. After longer storage time some of its characterising parameters (*odour, appearance, colour, pH, ...*), should be checked before using it.

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