
® Genamin 100 (D) grades

Raw materials for the chemical-technological industry

Composition

Primary fatty alkyl amines

Marketed grades

Genamin CC 100 (D) Genamin 8 R 100 D
Genamin OL 100 (D) Genamin 12 R 100 D
Genamin SH 100 (D) Genamin LA 100 D
Genamin TA 100 (D) Genamin 18 R 100 D

Properties

Primary fatty alkyl amines are liquid or pasty, water-insoluble bases. They are readily soluble in organic solvents such as mineral oil, isopropanol and chloroform.

Safety precautions

Fatty amines are strong organic bases. Therefore special care must be taken when working with these products.

Please see detailed safety precautions in the MSDS of each fatty alkyl amine.

Applications

Raw material for the manufacture of fatty amine ethoxilates and fatty amine salts.

Antistatic agents, flotation agents, anti-caking agents, corrosion inhibitors, textile and leather industry, pigments, emulsifier for resin

Product properties^{*)}

	Genamin CC 100 D	Genamin OL 100 D	Genamin SH 100 D	Genamin TA 100 D
Chemical composition	Coconut fatty amine, dist.	Soybean amine, dist.	Stearyl amine, dist.	Tallow fatty amine, dist.
Appearance (20 °C)	liquid	liquid, pasty	wax-like	pasty, wax-like
Amine value [mg KOH/g] DIN 16945	271 - 309	205 - 215	211 - 219	208 - 220
Molar mass [g/mol]	182 - 207	261 - 274	256 - 266	255 - 270
Primary amine content [equiv.-%]	min. 99	min. 99	min. 99	min. 99
Approx. mean chain distribution [%]				
C₈	6			
C₁₀	6			
C₁₂	52	≤1		
C₁₄	18	3	3	3
C₁₆	9	18	29	29
C₁₈	8	76	63	63
C₂₀		≤1	≤3	≤3
Hazen colour EN 1557	max. 100	max. 100	max. 100	max. 100
Iodine value [g J2/100 g]	max. 10	min. 75	max. 5	40 - 55
Pour point [° C] DIN/ISO 3016	approx. 15	15 - 30	approx. 40	25 - 30
Flash point [° C] DIN/ISO 2592	> 100	> 150	> 150	> 150
Density at 60 °C [g/cm³] DIN 51757	0.78	0.79	0.79	0.79

^{*)} These characteristics are for guidance only and are not to be taken as product specifications. The tolerances are given in the product specification sheet. For further information on product properties, toxicological, ecological and safety data, please refer to the safety data sheet.

Product properties^{*)}

	Genamin CC 100	Genamin OL 100	Genamin SH 100	Genamin TA 100
Chemical composition	Coconut fatty amine	Soybean amine	Stearyl amine	Tallow fatty amine
Appearance (20 °C)	liquid	liquid, pasty	wax-like	pasty, wax-like
Amine value [mg KOH/g] DIN 16945	261 - 309	199 - 216	205 - 216	204 - 220
Molar mass [g/mol]	182 - 215	260 - 282	260 - 274	255 - 275
Primary amine content [equiv.-%]	min. 96	min. 96	min. 96	min. 96
Approx. mean chain distribution [%]				
C₈	6			
C₁₀	6			
C₁₂	52	1		
C₁₄	18	3	3	3
C₁₆	9	18	29	29
C₁₈	8	76	63	63
C₂₀		1	≤3	≤3
Iodine colour number EN 1557	max. 10	max. 30	max. 3	max. 3
Iodine value [g J2/100 g]	max. 10	min. 73	max. 5	40 - 55
Pour point [° C] DIN/ISO 3016	approx. 15	15 - 30	approx. 40	25 - 30
Flash point [° C] DIN/ISO 2592	> 100	> 150	> 150	> 150
Density at 60 °C [g/cm³] DIN 51757	0.78	0.79	0.79	0.79

^{*)} These characteristics are for guidance only and are not to be taken as product specifications. The tolerances are given in the product specification sheet. For further information on product properties, toxicological, ecological and safety data, please refer to the safety data sheet.

Product properties^{*)}

	Genamin 8 R 100 D	Genamin 12 R 100 D	Genamin LA 100 D	Genamin 18 R 100 D
Chemical composition	Octyl amine, dist.	Dodecyl amine, dist.	Dodecyl-/Tetradecyl amine, dist.	Octadecyl amine, dist.
Appearance (20 °C)	liquid	pasty, wax-like	wax-like	wax-like
Amine value [mg KOH/g] DIN 16945	418 – 435	297 - 304	283 - 297	205 - 211
Molar mass [g/mol]	129 – 134	185 - 189	189 - 198	266 - 274
Primary amine content [equiv.-%]	min. 99	min. 99	min. 99	min. 99
Approx. mean chain distribution [%] C ₈ C ₁₀ C ₁₂ C ₁₄ C ₁₆ C ₁₈ C ₂₀	min. 90	min. 96	72-77 22-26	min. 90
Hazen colour EN 1557	max. 100	max. 100	max. 100	max. 100
Iodine value [g J2/100 g]				max. 4
Pour point [° C] DIN/ISO 3016	approx. -5	approx. 25	approx. 25	approx. 50
Flash point [° C] DIN/ISO 2592	60	> 100	> 100	> 150
Density at 60 °C [g/cm³] DIN 51757	0.75	0.77	0.77	0.79

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This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should not therefore be construed as guaranteeing specific properties of the products described on their suitability for a particular application. Any existing industrial property rights must be observed. The quality of our products is guaranteed under our General Conditions of Sale.