

ADMA[®] 12 AMINE

DESCRIPTION

ADMA 12 amine, dodecyldimethylamine, is typically used as an intermediate in the manufacture of quaternary ammonium compounds, amine oxides and betaines. This product is a clear liquid at room temperature and has the characteristic odor of fatty amines.

TYPICAL PROPERTIES

Alkyl distribution, wt %	
C ₈ , & lower	< 0.1
C ₁₀	0.1
C ₁₂	98.9
C ₁₄	0.9
C ₁₆ , & higher	< 0.1
Tertiary amine, wt %	99.0
Primary and secondary amine, wt %	< 0.1
Water, wt %	< 0.1
Amine value, mg KOH/g	262
Color, APHA	5.0
Specific gravity, 25°C/25°C	0.788
Freezing point, C°	-22
Flash point, Pensky-Martens, °F (°C)	250 (121)
Appearance	clear liquid

SPECIFICATIONS

Alkyl distribution, wt %	
C ₈ , & lower, max	1.0
C ₁₀ , max	2.0
C ₁₂ , min	97.0
C ₁₄ , max	3.0
C ₁₆ , & higher, max	0.5
Tertiary amine, wt %, min	97.0
Primary and secondary amine, wt %, max	0.3
Water, wt %, max	0.2
Color, APHA, max	30.0

SAFETY AND HANDLING INFORMATION

ADMA 12 amine, like other tertiary amines, is an organic base and should be treated with caution. Observe good industrial hygiene and safe working practices. Avoid ingestion. Avoid contact with eyes, skin and clothing by wearing protective gloves and goggles. Wash thoroughly after handling. In case of ingestion, get immediate medical attention. In case of contact with eyes, immediately flush eyes with water for at least 15 minutes and get medical attention. In case of contact with skin, immediately wash with soap and water. Contaminated clothing should not be reused for any purpose.

For specific information on the safe handling and toxicity of this product, please refer to the Material Data Sheet that is available upon request.

CHEMICAL REGISTRATION NUMBERS CAS: 112-18-5



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