

ADMA[®] 246-451 AMINE

DESCRIPTION

ADMA 246-451 amine, a blend of alkyldimethylamines, is typically used as an intermediate in the manufacture of quaternary ammonium compounds. This product is a clear liquid at room temperature and has the characteristic odor of fatty amines.

TYPICAL PROPERTIES

Alkyl distribution, wt %	
C ₁₀	0.1
C ₁₂	39.7
C ₁₄	50.0
C ₁₆	10.1
C ₁₈	0.1
Tertiary amine, wt %	99.1
Primary and secondary amine, wt %	< 0.1
Water, wt %	< 0.1
Amine value, mg KOH/g	242
Color, APHA	5.0
Specific gravity, 25°C/25°C	0.792
Freezing point, C°	-13
Flash point, Pensky-Martens, °F (°C)	238 (114)
Appearance	clear liquid

SPECIFICATIONS

Alkyl distribution, wt %	
C ₁₀ , max	2.0
C ₁₂	40.0 ± 3
C ₁₄	50.0 ± 3
C ₁₆	10.0 ± 2
C ₁₈ , max	2.0
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 246-451 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: 112-18-5/112-75-4/112-69-6



NORTH AMERICA 4250 Congress Street, Suite 900 • Charlotte, NC 28209 • Tel: +1 980 299 5700
EUROPE Parc Scientifique Einstein, Rue du Bosquet 9, 1348 • Louvain-la-Neuve, Belgium • Tel: +32 10 48 17 11
LATIN AMERICA Av. Brigadeiro Faria Lima, 1461 – sala 131-B • Sao Paulo, SP Brazil, 01451-001 • Tel: +55 11 99655-2288
CHINA Room 3202, No. 757 Mengzi Road, Gopher Center, Huangpu District • Shanghai, PRC. 200023 • Tel: 86.21.6103.8666

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