

ADMA[®] 1214 AMINE

DESCRIPTION

ADMA 1214 amine, a blend of alkyldimethylamines, is typically used as an intermediate in the manufacture of quaternary ammonium compounds and amine oxides. 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	64.3
C ₁₄	35.3
C ₁₆	0.3
C ₁₈ & higher	< 0.1
Tertiary amine, wt %	99.0
Primary and secondary amine, wt %	< 0.1
Water, wt %	< 0.1
Amine value, mg KOH/g	252
Color, APHA	5
Specific gravity, 25°C/25°C	0.791
Freezing point, C°	-18
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	65.0 ± 3
C ₁₄ , max	38.0
C ₁₆ , max	2.0
C ₁₈ & higher, max	0.2
Tertiary amine, wt %, min	97.0
Primary & secondary amine, wt %, max	0.3
Water, wt %, max	0.2
Color, APHA, max	30.0

SAFETY AND HANDLING INFORMATION

ADMA 1214 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



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

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Albemarle Corporation and its subsidiaries to ensure the accuracy or reliability of the information. It is the responsibility of the user to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider all information contained herein only as a guide, and should take precautions that the user considers necessary or prudent to promote a safe work environment, such as considering all applicable health and safety hazards, developing safe work practice procedures and properly instructing employees. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the materials or processes mentioned herein in violation of existing or pending patents.