

ADMA[®] 8 AMINE

DESCRIPTION

ADMA 8 amine, octyldimethylamine, 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.

PHYSICAL PROPERTIES

| | |
|--------------------------------------|--------------|
| Alkyl distribution, wt % | |
| C ₈ | 99.3 |
| C ₁₀ & higher | 0.7 |
| Tertiary amine, wt % | 99.0 |
| Primary & secondary amine, wt % | < 0.1 |
| Water, wt % | < 0.1 |
| Amine value, mg KOH/g | 352 |
| Color, APHA | 5.0 |
| Specific gravity, 25°C/25°C | 0.765 |
| Freezing point, C° | -57 |
| Flash point, tag closed cup, °F (°C) | 151 (66) |
| Appearance | clear liquid |

SPECIFICATIONS

| | |
|-------------------------------|------|
| Alkyl distribution, wt % | |
| C ₈ , min | 97.0 |
| C ₁₀ & higher, max | 2.0 |
| Tertiary amine, wt %, min | 97.0 |
| Primary amine, wt %, max | 0.3 |
| Water, wt %, max | 0.2 |
| Color, APHA, max | 30.0 |

SHIPPING INFORMATION

Storage and Availability

ADMA 8 amine can be stored in carbon steel vessels. Precautions should be taken to avoid contact with moisture, carbon dioxide and copper compounds. To prevent discoloration, air and moisture should be excluded from storage tanks by blanketing with a dry, inert gas such as nitrogen.

Shipments are made in tank cars, stainless steel tank trucks and new lined 55-gallon steel tighthead non-returnable drums.

Shipping Classifications

| | |
|-----------------------|---|
| Proper shipping name: | Alkylamines, N.O.S. (alkyldimethylamine) |
| Hazard class: | 8 (corrosive material) |
| ID number: | UN2735 |
| Placard(s): | corrosive |
| Label(s): | corrosive |

SAFETY AND HANDLING INFORMATION

ADMA 8 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: 7378-99-6



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