

For Soln

UN No. 1160
IMCO Class: 3
Packing Group: II

Dimethylamines

For Anhydrous

UN No. 1032
IMCO Class: 2.1
Packing Group: II

a) DMA Anhydrous

Specifications

Composition	Specification
Purity	99.6 % Min
MMA	0.05 % Max
TMA	0.05 % Max
Ammonia	0.01 % Max
Water	0.03 % Max

Physical Properties

Specific Gravity	0.67 @ 20°C
Boiling Point	6.9°C
Freezing Point	Minus 92.2°C
Odour	Strong Ammonical Odour

Packing, Handling & Storage

Packing	ISO Gas Tank Containers – Type IMO 5 (T 50)
Handling	Wear appropriate NIOSH/MSHA approved respirator, chemical resistant gloves, safety goggles & other protective clothing. Do not breathe vapor. Do not get in eyes, on skin, on clothing. Keep away from heat, sparks and open flame. Use a pressure reducing regulator when connecting container to a lower pressure piping or system. Do not heat container to increase discharge rate. Use check valve/trap in the discharge line to prevent hazardous back flow.
Storage	Carbon steel, stainless steel & Monel are acceptable for use with Dimethylamine. Keep container tightly closed. Post no smoking or open flame signs in the storage or use area. Use in cool, dry, well-ventilated area.

b) DMA 40% Aqueous Solution

Specifications

Composition	Specification
DMA Content (Purity)	40.5 % Min
MMA	0.08 % Max
TMA	0.08 % Max
Ammonia	0.02 % Max
Water	Balance

Physical Properties

Specific Gravity	0.88 @ 20°C
Boiling Point	54°C
Freezing Point	Minus 37°C
Odour	Fishy odour below 100 ppm

Packing, Handling & Storage

Packing	ISO Tank Containers – Type IMO 1 (T 11)
Handling	Wear appropriate NIOSH/MSHA approved respirator, chemical resistant cold insulating gloves, safety goggles & other protective clothing. Do not breathe vapor. Do not get in eyes, on skin, on clothing. Keep away from heat, sparks and open flame.
Storage	Carbon steel, stainless steel & Monel are acceptable for use with Dimethylamine. Electrical equipment should be non sparking or explosion proof. Keep away from the sources of ignition. Post no smoking or open flame signs in the storage or use area. Ground all equipment containing material. Keep container in cool, dry, well-ventilated area. Avoid contact with acid. Keep container tightly closed.

Major Application Areas

<ul style="list-style-type: none">• Pharmaceuticals• Agro Chemicals• Rayon Industry• Solvents	<ul style="list-style-type: none">• Rubber Chemical• Ion Exchange• Dyes• Propellant
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