



## DIMETHYLAMINE (DMA) (CH<sub>3</sub>)<sub>2</sub>NH

### PRODUCT SPECIFICATIONS:

	ANHYDROUS FORM	ANALYTICAL METHOD (ANHYDROUS)	WATER SOLUTION		ANALYTICAL METHOD (SOLUTION)
Dimethylamin %	Min. 99.79	Gas Chromatographic	Min. ≈ 40-41	Min. ≈ 60-61	Titrimetric
Ammonia %	Max. 0.005	Gas Chromatographic	Max. 0.002	Max. 0.003	Gas Chromatographic
Monomethylamin%	Max. 0.05	Gas Chromatographic	Max. 0.02	Max. 0.03	Gas Chromatographic
Trimethylamin %	Max. 0.05	Gas Chromatographic	Max. 0.02	Max. 0.03	Gas Chromatographic
Water %	Max. 0.1	Gas Chromatographic	Max. 60	Max. 40	-

### PHYSICAL AND CHEMICAL PROPERTIES

	100%	60%	40%
Appearance/Physical State	Colorless liquidized gas	Colorless liquid	Colorless liquid
Molecular Weight	45.08	-	-
Specific Gravity (15 °C)	0.66	0.83	0.90
Boiling Point (°C)	6.9	36	51.5
Vapor Pressure (20 °C) kg/cm <sup>2</sup>	1.7	0.6	0.3
Explosive Properties	2.8-14.4	-	-
Freezing Point (°C)	-92	-60	-38
Auto flammability (°C)	402	-	-
Flash Point (°C)	-	-	-15

### PACKAGING

DMA anhydrous in tubes under pressure, Water solution (%40 and %60) in 170 kg steel drums.

### HANDLING AND STORAGE

**Handling:** The products are extremely flammable and poisonous when swallowed. Wear rubber and PVC gloves, clothes, boots and special canister masks during contact. Amines are extremely corrosive with copper, zinc, aluminum compounds. It can be flammable with mercury. In case of emergency, avoid leakage immediately, and do not contact skin and clothing.

**Storage:** DMA can be stored in stainless tanks or steel drums for 1 year without losing its properties.. DMA should be kept in cool, dry and well-ventilated places.

### APPLICATION FIELDS

#### Directly;

- Stabilization of natural rubber latexes
- Leather tanning
- Drilling oil well
- Solvents
- Production of acetone formaldehyde and SBR; catalyst for paraffin and olefin nitro compounds



#### **Initial and Raw Materials for Products;**

- DMF (Dimethylformamid)
- DMAC (Dimethylacedamid)
- DMA Alcohols
- Agro-product protector
- Dyestuff industry

#### **ACCIDENTAL RELEASE MEASURES**

Highly flammable. Poisonous if swallowed. Caustic if contacted to skin. In case of inhalation, get person out of the contaminated area to fresh air and rest. In case of skin exposure, wash contaminated areas with plenty of cold water. In case of eye exposure, flush eyes with plenty of water and seek for medical attention. In case of fire, use CO<sub>2</sub> and foam extinguishers for alcohols. After spillage, gently dilute it with water and neutralize by absorbing with diluted HCl and H<sub>2</sub>SO<sub>4</sub> acids.