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DIMETHYLAMINE (DMA)

Critical Pressure

CAS NO		124

It is available as Anhydrous (liquified gas under

PHYSICAL PROPERTIES : (FOR ANHYDROUS)

MATURE

pressure) & 40%, 50% & 60% solutions (Clear, Colourless Liquid) Empirical Formula C.H.N

Structural Formula (CH.) NH Molecular Wt. 45.08 Refractive Index 1.347 Colour (APHA) Max. 15

Solubility in Water Soluble Autoignition Temperature 40290 Flammability Limits

LEL 2.8 vol% HEL 14.4 vol% Critical Temperature

164 6°C

011000111000010	51.7 Atm.			
	For Anhydr.	For 40% soln.		
p. Gravity at 25°C	00.649	00.892		
oiling Point	06.9°C	54.0°C		
reezing Point	-92.2°C	-37.00°C		
lash Point		-18.00°C		
apour Pressure	°C ka/cm²	°C ka/cm²		

SPECIFICATIONS

Vapour Pressure		°C	kg/cm²	°C	kg/cm²
		20 40	1.7 3.5	20 40	0.3 0.7
		60	6.2	60	1.4
Content	Unit	Anl	nydrous	40%	Solution
Purity	%	99.	50 min	40.0	0 min
Water	%		20 max		
Ammonia	%		02 max		
Other Amines/NOI	%	00.	50 max	00.2	0 max

APPLICATION AREAS :

PHARMACEUTICALS To manufacture Anaesthetics like Pentocaine based on Dimethyl Amingethangl. Tranquilizers like Sparine and Local Agaesthetics like Teracaine Used to manufacture Antihistamines like Dinhenhydramine. Menyramine Maleate (Anthisan) Chlorobeniramine Pheniramine DMA is also used extensively in manufacturing of Antibacterial like Trimethoprim.

AGROCHEMICALS As a raw material to manufacture Ironroturon, one of the most effective and widely used Systemic Weedicide As a raw material in manufacturing Ziram (Zinc Dimethyldithiocarhamate)

Thiram (Tara methyl thinum disulphide) and Sodium or Potassium dimethyldithiocarbamate, which are effective for protection of crops from pathogenic fungi. As and intermediate or catalytic agent to manufacture Aldicab (Temik)

Sodium Dimethyl Dithiocarbamate and Potassium Dimethyl

Systemic Insecticide to control insects, mites and nematodes. To manufacture Herbicides like 2.4-D & 2.4-5 T dimethylamine salts, urea derivatives like Diuron, Monuron, Chloroxuron and Fenuron etc. RAYONINDUSTRY : Used as a modifier in the manufacture of Viscose Rayon Filament and Tyre

Cord, to improve the tensile strength SOLVENTS : As a raw material for the manufacture of powerful and versatile solvents like Dimethyl Acetamide (DMAC), Dimethyl formamide (DMF), Hexamethyl Phosphoramide used in acrylic fibre, pharmaceutical and other industries. DUBBER CHEMICALS As a raw material to manufacture Wideanisation Accelerators such as Tetra Methyl Thiuram Disulphide (TMTDS), Zinc Dimethyldithiocarbamate,

Dithocarbamate. ION EXCHANGE : Used in manufacture of water purification lon Exchange Resins like Quaternary Ammonium Salts based on Chloromethylated Styrene conclumer and Dimethylamino Ethanol.

DYES : Used in the manufacture of Acid Dyes and Stibene Dyes. PROPELLANT : As a raw material to manufacture 1.1. Dimethyl Hydrazines. MISC. : Used to manufacture Emulsifying Agent like Dimethylamingethanol. 2. Amino, 2-Methyl-1 Propanol, surfactant like Laund Dimethyl amine oxide

and Quaternary Ammonium compounds, which act as germicides. PACKAGING · Anhydrous & Acueous Solutions are offered in bulk Road Tankers, Ageous solutions is offered in 210 litre capacity UN Approved M.S. drums containing

170 kg net DMA40% solution & 160 kg, net of DMA50% solution. Small quantities of Anhydrous material can also be made available in cylinders provided by by the customer on request. IMPOCI AGO : Anhydrous Class 2

PACKING GROUP AS DER- Solution II IMO LIN No. : Anhydrous 1032

Cab tions 1100 E CALIMPED - 204 607 4

