

Structural Formula

Molecular Wt

Refractive Index

Colour (APHA) Max

Solubility in Water

· 74-89-5

PHYSICAL PROPERTIES : Empirical Formula

CAS NO

NATURE

(FOR ANHYDROUS)

## MONOMETHYLAMINE (MMA) . It is available as anhydrous (liquified gas under

pressure) & 40% solution (Colourless liquid)

CH.N

CH.NH.

31.06

1.351

Soluble

00.10 max 00.05 max

00 50 may 100 20 may

16

			Soluble						
	Autoignition T	Autoignition Temperatu				ure 430°C			
	Flammability Limits								
		5 Vol%							
	HEL			21 Vol%					
	Critical Tempe	155.9°C							
	Critical Pressi	Critical Pressure			73.6 Atm.				
						10% soln			
	Sp. Gravity at 25 Boiling Point Freezing Point Flash Point		0.656 -6.3°C -93.5°C		0.897 48°C -38°C -10°C				
	Vapour Pressure	°C	kg/cm²	°C	kg/cm <sup>2</sup>				
			20 40 60	2.8 5.8 10.0	20 40 60	0.4 0.9 1.7			
SPECIFICATIONS	Content	Unit	Anhydrous		40% Solution				
	Purity	%		50 min	40.00 min				
	Water	%	00.	25 max	59.75 max				

Ammonia

Other Amines/NOI

## APPLICATION AREAS :

PHARMACEUTICALS				intermediate						
		Adı	rena	line, Ephedri	ne	and Peth	idine. V	asodilators	like	
		The	gopt	nylline and Car	ffine	are man	ufacture:	d from Dime	ethyl	

Urea derived from MMA AGRO CHEMICALS As a raw material for manufacture of systemic insecticides like Dimethoate, Carbaryl and Carbofuron and fungicides like Sodium N-Methyl dithiocarbamate

As a raw material to manufacture Monomethylacetoacetamide, an intermediate used to manufacture Monocrotophos one of the largest selling Insecticides

CORROSION CONTROL Methyldiethanolamine manufactured using MMA is used as a selective absorbent for H,S gas during purification of netrochemicals in refineries.

PHOTOGRAPHIC Used in the manufacture of Photographic developer like N CHEMICALS Methyl P-Aminophenol sulphate, popularly known as METOL ROCKETEUEL In manufacturing Monomethyl Hydrazine which is one of

the ingredients of Rocket Fuel required for Space Reserch. **EXPLOSIVE** : As a raw material to manufacture Explosive booster like Tetryl Unsymmetrical Dimethly-Hydrazine and Explosive sensitisers like Monomethylamine Nitrate.

: Used in the manufacture of Dyestuff intermediates like N-

Methyl aniline, N-Methyl J Acid, Sarcosine and Anthraquinone derivatives

SOLVENT : As a raw material to manufacture special solvent like N-Methyl - 2 - Pyrrolidone. RUBBER CHEMICALS : Directly used as stabilising agent and preservative for

Natural rubber latex PACKAGING · Anhydrous & Aqueous solutions are offered in bulk Road Tankers, Aqueous solutions is offered in 210 litre capacity UN Approved M.S. drums containing 170 kg net of

Small quantities of anhydrous material can also be made available in cylinders provided by the customer on request.

IMDG CLASS : Anhydrous Class 2 PACKING GROUP AS PER : Solution II

LIN NO : Anhydrous 1061 Solution 1235 **ECNUMBER** . 200,820,0