

i GENERAL DESCRIPTION

Dimethylamine is a secondary aliphatic amine that has two methyl substituents. It has a role as a metabolite and it is a member of methylamines group. The method of large-scale production of methylamines is based on the catalytic amination of methyl alcohol with ammonia, a reaction which takes place in the gas phase at temperatures between 350-450°C, in the presence of an alumina catalyst. The product is extremely flammable. Vapors of product may form explosive mixture with air and oxygen.

Q TECHNICAL QUALITY CONDITIONS

No.	Properties	U.M.	Admissibility conditions			
			Type 40		Type 60	
			Sort A	Sort B	Sort A	Sort B
1	Appearance	-	clear liquid without mechanical impurities			
2	Color	-	colorless to light yellow			
3	Di-methylamine content	%	min. 40		min. 60	
4	Total chemical impurities, of which:	%	max 0.2	max. 0,32	max 0.3	max. 0.48
	- ammonia	%	max. 0.12	-	max. 0.18	-
	- mono-methylamina	%	max. 0.16	-	max 0.24	-
	- methanol	%	max. 0.04	-	max 0.06	-
	- tri-methylamine	%	max. 0.12	-	max 0.18	-
	- other amines	%	max. 0.08	-	max 0.12	-

🧪 USES

- in organic synthesis for manufacturing of corrosion inhibitors, insecticides, fungicides, solvents, drugs, ion exchangers, chemical fibers, polymers and polymerization catalysts, vulcanization accelerators, photographic substances

📦 PACKING

- steel railway tanks
- road tank
- containers
- metallic barrels

🏠 STORAGE

product is stored in steel cylinder and vertical pressure tanks, outside, away from heat action, connected to grounding belt; product packed in drums is stored in its original packing, in dry and clean rooms provided with ventilation; maximum recommended temperature for storage is of 40°C

🚚 TRANSPORT

transport of product is made by steel railway tanks, road tankers, metallic barrels, containers or covered means of transport, according to ADR prescriptions