

i GENERAL DESCRIPTION

Monoethylamine is the simplest of the methylamines, consisting of ammonia bearing a single methyl substituent. It is a primary aliphatic amine. 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 30	Type 40
1	Appearance	-	clear liquid without mechanical impurities	
2	Color	-	colorless to light yellowish	
3	Mono-methylamine content	%	min. 30	min. 40
4	Total chemical impurities, of which:	%	max. 0.3	max. 0.4
	- ammonia	%	max. 0.09	max. 0.12
	- methanol	%	max. 0.15	max. 0.2
	- di-methylamine	%	max. 0.15	max. 0.2
	- tri-methylamine	%	max. 0.03	max. 0.04
	- other amines	%	max. 0.06	max. 0.08

⚗ USES

- in organic synthesis for manufacturing of insecticides, solvents, drugs, anionic detergents, emulsifiers, dyes, polymers and polymerization catalysts, vulcanization accelerators, photographic substances

📦 PACKING

- steel railway tanks
- road tanks
- 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