

## **i** GENERAL DESCRIPTION

Monomethylamine 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 A	Type B
1	Monomethylamine content	-	min. 99	
2	Total chemical impurities, of which:	%	max. 1	
	- ammonia	%	max. 0.3	max. 0.3
	- water	%	max. 0.5	max. 0.7
	- methanol	%	max. 0.1	max. 0.1
	- dimethylamine	%	max. 0.5	max. 0.5
	- trimethylamine	%	max. 0.1	max. 0.1
	- other amines	%	max. 0.2	max. 0.2

## **fl** USES

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

## **fl** PACKING

- steel railway tanks, pressure resistant
- containers, pressure resistant
- steel cylinders, pressure resistant

Maximum filling grade of packing is: 0.58 kg/l

## **fl** 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

## **fl** TRANSPORT

transport of product is made by steel railway tanks/containers, steel cylinders pressure resistant, according to ADR prescriptions