

## SANGAM LABORATORIES Pvt Ltd.

### 2-Dimethylaminoethyl chloride hydrochloride

**Synonyms** : 2-Chloro-N,N-dimethylethylamine hydrochloride  
**Molecular Formula** :  $C_4H_{10}ClN.HCl$   
**Formula Weight** : 144.04



**CAS Number** : 4584-46-7  
**Melting point** : 203-210 °C  
**Hazard symbol** :

+		Very toxic
↓		Dangerous for the environment

### Risk Description

**R22** : Harmful if swallowed.  
**R24** : Toxic in contact with skin.  
**R26** : Very toxic by inhalation.  
**R36/37/38** : Irritating to eyes, respiratory system and skin.  
**R51/53** : Toxic to aquatic organisms, may cause long -term adverse effects . in the aquatic environment.  
**R68** : Possible risks of irreversible effects.

### Safety Description

**S28A** : After contact with skin, wash immediately with plenty of water.  
**S36/37/39** : Wear suitable protective clothing, gloves and eye/face protection.  
**S45** : In case of accident or if you feel unwell, seek medical advice. immediately  
**S61** : Avoid release to the environment. Refer to special instructions / Safety data sheet

## Specifications

### DIMETHYL AMINOETHYL CHLORIDE HYDROCHLORIDE

Product Name	DIMETHYL AMINOETHYL CHLORIDE HCL
CAS NUMBER	4587-46-7
FORMULA	C 4 H 10 C L N- HCL
FORMULA WEIGHT	144.04
DESCRIPTION	A WHITE CRYSTALLINE SOLID WITH CHARACTERISTIC ODOUR
IDENTIFICATION	BY I.R TO CONFIRM
SOLUBILITY	10% SOLUTION—CLEAR SOLUTION
MELTING POINT	ABOVE 203° C
MOISTURE ( K F METHOD)	NOT MORE THAN 1.0%
PH (10% SOLUTION IN WATER)	2.5—4.5 ( OF 10% SOLUTION)
IONIZABLE CHLORIDE	NOT LESS THAN 24.10%
TOTAL CHLORIDE	NOT LESS THAN 48.20%
ASSAY	98—102%

## APPLICATIONS

Dimethylaminoethyl chloride HCl is used for manufacturing of following bulk drugs

- 1) 1-(2-Dimethylaminoethyl) 5-mercaptopotetrazole
- 2) Bephenium 3 hydroxy-2-naphthoate
- 3) Bromopheniramine
- 4) Carbinoxamine
- 5) Chloropyramine
- 6) Chloropheniramine ( Base and/or unspecified salts)
- 7) Dibenzepin hydrochloride
- 8) Dimethindene ( Base and/or unspecified salts)
- 9) Doxylamine ( Base and/or unspecified salts)
- 10) Meclofenoxate ( Base and/or unspecified salts)
- 11) Pheniramine maleate
- 12) Phenyltoloxamine ( Base and/or unspecified salts)
- 13) Pyrilamine ( Base and/or unspecified salts)
- 14) Tibezoneium Iodide
- 15) Tripeleennamine

**PACKING** :25 Kg/ 50 Kg HDPE Drums (UN Approved)

**HANDLING** : Being Hazardous chemical, Proper care has to be taken as Mentioned in Safety Description

**STORAGE** : Store in Cool and Dry place.