

CYCLOHEXYLAMINE



Cas Number: 108-91-8

Other Names: Aminocyclohexane, Hexahydroaniline,
Hexahydrobenzenamine, Aminohexahydrobenzene,
1-Cyclohexylamine

Formula: C₆H₁₃N

PRODUCT INTRODUCTION

Cyclohexylamine is a primary aliphatic amine consisting of cyclohexane carrying an amino substituent having chemical formula C₆H₁₃N . It appears as a clear colorless to yellow liquid with an odor of ammonia. It is toxic by both ingestion and inhalation; the inhalation itself may be fatal. Toxic oxides of nitrogen are produced during combustion.

PHYSICAL AND CHEMICAL PROPERTIES

Description	Clear, colorless liquid. Characteristic amine odor.
Color	5 APHA
Water (K.F method)	0.09%
Aniline (G.C)	< 0.01%
Benzene (G.C)	< 0.01%
Cyclohexanol (G.C)	< 0.01%
Heavy End (G.C)	< 0.01%
Dicyclohexylamine (G.C)+Heavy ends	< 0.01%
Assay (G.C)	99.97%

APPLICATIONS

- Cyclohexylamine can be used as the vulcanization accelerator of rubber; and also used as the raw material of synthetic fibers, dyes, and gaseous-phase corrosion inhibitor.
- This product can be used for the preparation of cyclohexanol, cyclohexanone, caprolactam, cellulose acetate and nylon 6 and the like.
- Cyclohexylamine itself is a solvent and can be used in resins, paints, fat, and paraffin oils.
- The sulfonate salt of cyclohexylamine can be used as artificial sweeteners for being applied to foods, beverages and pharmaceuticals.
- It can also be used in organic synthesis, plastic synthesis, also used as a preservative and acid gas absorbent.
- Cyclohexylamine is also used for the production of water treatment chemicals, artificial sweeteners, and the intermediate of rubber processing chemicals and agrochemicals.

PACKAGING OPTIONS

Drums

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