

DIMETHYL AMINE (40%)



CAS Number: 124-40-3

Other Names: N-Methylmethanamine

Formula: $(\text{CH}_3)_2\text{NH}$ or $\text{C}_2\text{H}_7\text{N}$

PRODUCT INTRODUCTION

Dimethylamine is an organic compound with the formula $(\text{CH}_3)_2\text{NH}$. This secondary amine is a colorless, flammable gas with an ammonia-like odor. It is miscible with water.

PHYSICAL AND CHEMICAL PROPERTIES

| | |
|------------|--------------|
| Appearance | Clear |
| Water | 59.80 % |
| MMA | 0.10 % /wt. |
| DMA | 40.20 % /wt. |
| TMA | 0.10 % /wt. |

APPLICATIONS

- Dimethylamine is a precursor to several industrially significant compounds.[5][8]
- It reacts with carbon disulfide to give dimethyl dithiocarbamate, a precursor to a family of chemicals widely used in the vulcanization of rubber.
- The solvents dimethylformamide and dimethylacetamide are derived from dimethylamine.
- It is raw material for the production of many agrichemicals and pharmaceuticals, such as dimefox and diphenhydramine, respectively.
- The chemical weapon tabun is derived from dimethylamine.
- The surfactant lauryl dimethylamine oxide is found in soaps and cleaning compounds.
- Unsymmetrical dimethylhydrazine, a rocket fuel, is prepared from dimethylamine.

PACKAGING OPTIONS

Drums

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